THE CHEMIST AND DRUGGIST

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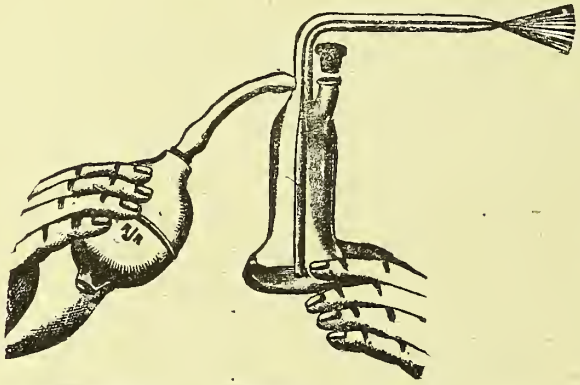

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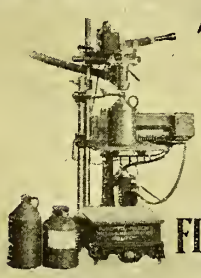

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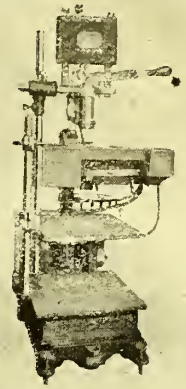

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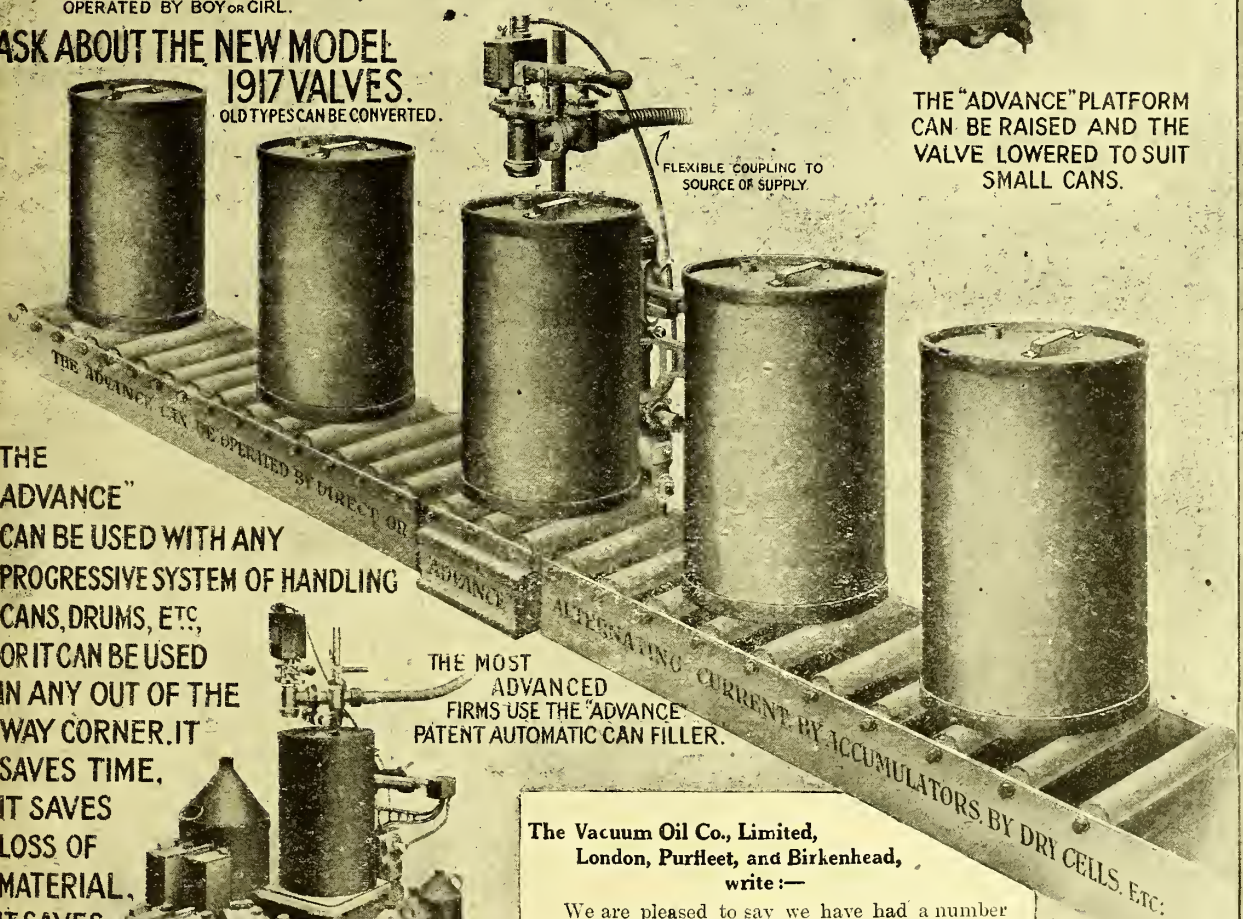

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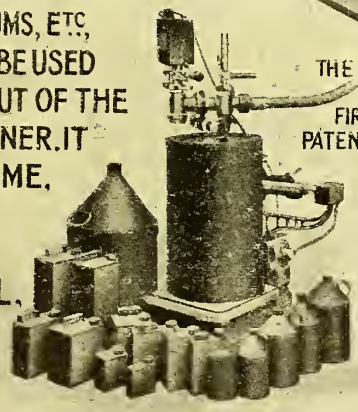

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(without Post Pituitary)
Kinazyme
Secretogen
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From all Wholesalers,
or Sole Agents:

The A.D.S. Co.,
6 Northumberland Avenue, LONDON, W.C. 2.

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100 WOOD ST., E.C. 2
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SHOPFITTERS DECORATIVE & NEEDFUL SUNDRIES

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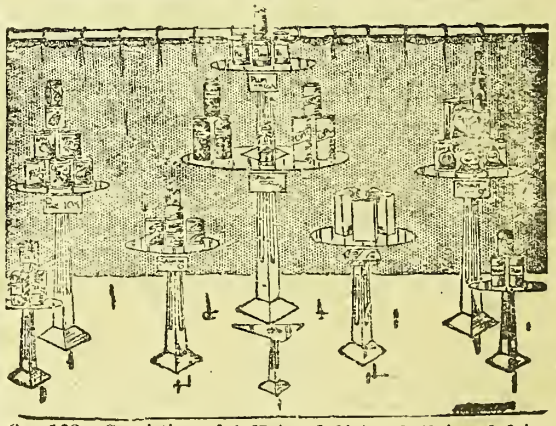
For OPEN WINDOW DISPLAYS.

For OPEN WINDOW DISPLAYS.

WRITE FOR OUR LIST SHOWING MANY NEW DESIGNS FOR OPEN WINDOW DISPLAYS.



Set 139. Consisting of 1 27 in., 2 24 in., 3 12 in., 3 9 in. POLISHED OAK PEDESTALS, with 1 24 in. × 18 in., 2 18 in. × 12 in., 2 16 in. × 10 in. OVAL PLATE GLASS SHELVES: 1 12 in. Angle and 3 10 in. Circles.

86/- Complete.

Our WINDOW PAPERS are 4/3 per roll of 12 yards. 21 in. wide—WRITE FOR SAMPLES.

A NEW TOWEL.

Southalls' "Y.W." Sanitary Towel

On account of the scarcity of labour we have great difficulty in keeping pace with the increasing demand for our Sanitary Towels, and have therefore introduced a new style, of which a limited quantity will be available, in addition to the ordinary Towels.

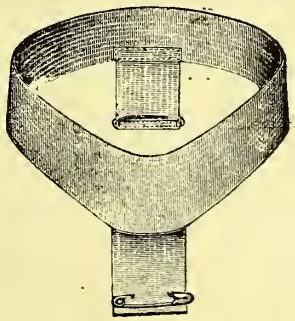
We are enabled to do this because the new "Y.W." Towel, being made without sewing or rings, can be produced with less labour.

If worn with SOUTHALLS' "ADAPTABLE" SUSPENDER, the "Y.W." Towel will prove an excellent substitute for Southalls' ordinary Towels.

Retail - - 1/3 per packet of 1 doz.
Wholesale - 12/4 per gross.

Southalls' "Adaptable" Suspender.

Made in best quality white elastic web, close fitting, and very comfortable. Can be worn either over or under the corset.



Fitted with large strong safety pins back and front.

IN TWO SIZES—MEDIUM & LARGE.

No. 1.—White Elastic Web .... Retail, 1/3 each ; Wholesale, 11/6 per doz.
No. 2.—White Elastic Web, Suede Finish Retail, 1/9 each ; Wholesale, 16/2 per doz.

SOUTHALL BROS. & BARCLAY, Ltd.
BIRMINGHAM.

Increased Prices for Daisy

Owing to the greatly increased cost of production, we regret we are compelled to increase the price of Daisy as follows:

RETAIL.

Single Powders	**1½**d. each
Packets of 10 Powders	**10½**d.
Packets of 20 Powders	**1/6**

WHOLESALE PRICES.

1/6 size (late 1/1½d. size), containing 20 Powders—

1 dozen Boxes	**15/9** per dozen
3 dozen Boxes	**15/-** ,,

10½d. size (late 7½d. size), containing 10 Powders—

1 dozen Boxes	**9/-** per dozen
3 dozen Boxes	**8/6** ,,

The above prices are subject to 5% discount for cash. All orders sent carriage paid. The new prices allow the same generous proportion of profit as hitherto; each individual sale will, however, bring 50% more actual profit. Daisy is now, therefore, even more profitable than ever.

From all Wholesalers, or direct

DAISY LTD., Mammoth Works, LEEDS

Telegrams: "DAISY LEEDS." *Telephone: 1990 CENTRAL.*

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R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

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Chloral Hydrate
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Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
Gallic Acid
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
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Menthol
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
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Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE and their SALTS.

MANUFACTURED BY NEDERLANDSCHE KININEFABRIEK, MAARSSEN, HOLLAND.

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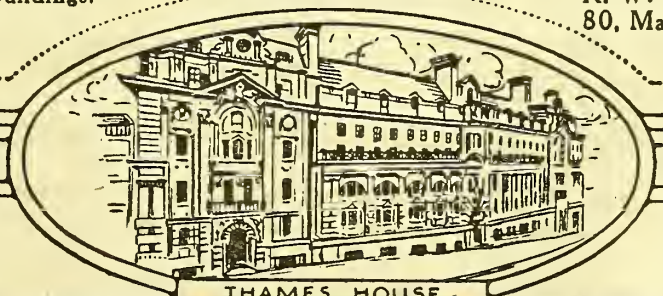

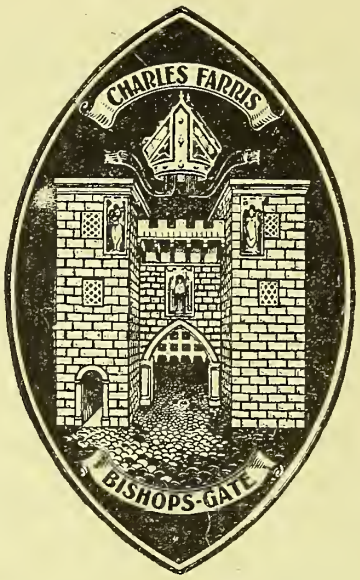

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ENGLISH MADE

(PARAFFINUM LIQUIDUM).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Genuine Yellow Bees Wax, Pure Refined Spermaceti, Cerasine Paraffin Wax, &c. &c.

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A GOOD

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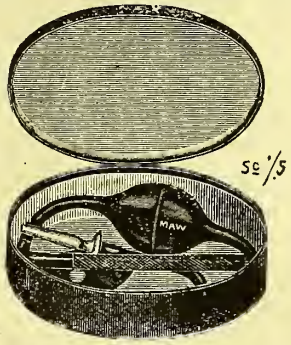

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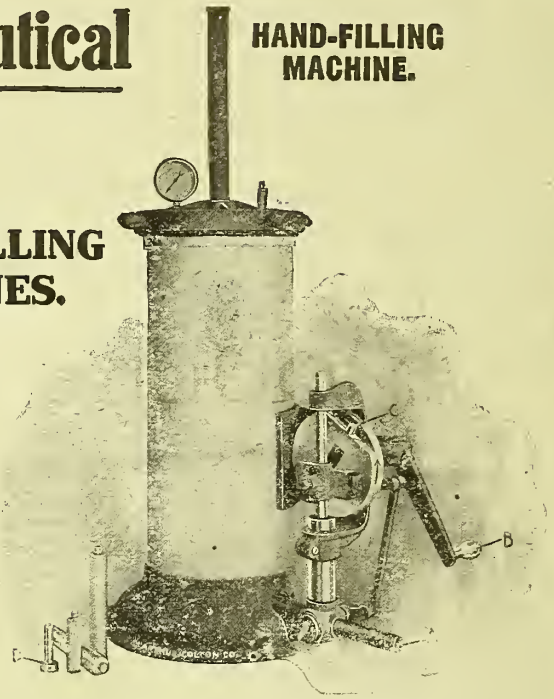

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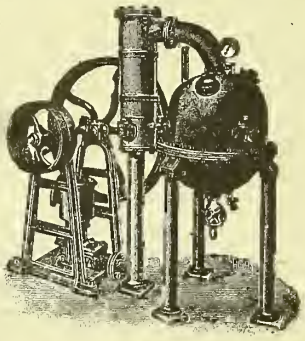

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Not only is it the finest obtainable but it is also the most profitable. It yields
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Costs you 10/6 per doz., 1/3 size. With 4 dozen a bonus of 6 extra are sent free for Counter Display; with 6 dozen 12 free, and retails at P.A.T.A. minimum of 1/3—about 60% profit. Smart Counter Display Boxes, ample supply of Free Samples, Window Bills, and Showcards.
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All Varieties i.e., "White Clover," "Heather," etc.

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"A complete food." — *Lancet.*

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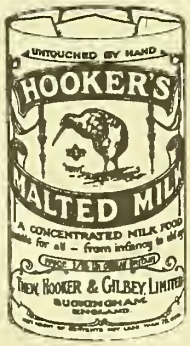

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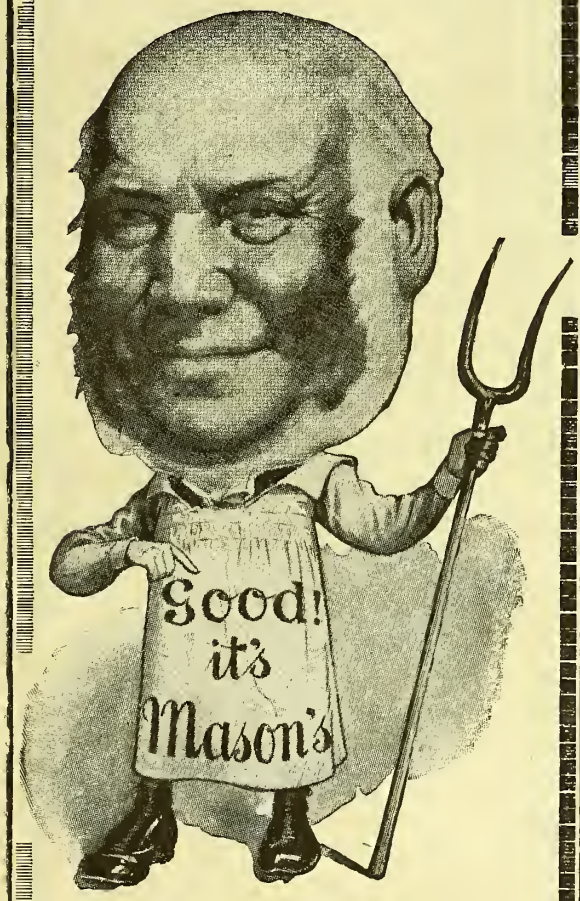

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Lemon	Ginger Ale
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Tonic, Restorative, Digestive Wine.

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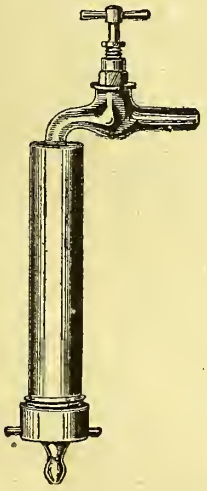
PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:
Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

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Recommend it for Convalescence

Doctors prescribe Turtle Soup in all cases where the patient cannot retain any other nutriment.

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For hospitals, nursing and convalescent homes it can be strongly recommended as the best, safest and handiest invigorator obtainable.

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Oils : Lemon, Bergamot, Orange ; Terpeneless Oils : Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
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"THE FAVOURITE HEALTH DRINK."

The foremost place which **EUSALINE** now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic **EUSALINE** is unrivalled. It quickly corrects all indiscretions in eating and drinking—sweetens the stomach—cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. **KEEPS IN ALL CLIMATES.**

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take **EUSALINE** when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured.

EUSALINE is Retailed at **1/9** per bottle.
Wholesale Price, 15/- per dozen.
Discount 15% and Carriage Paid on £5 orders.

Can also be had in boxes containing 13 packets, to Retail at **1½d.** per packet, or 2 for **2½d.**, and **1/3** per box.
Wholesale Price, 12/- per gross.
Discount 15%, plus Bonus according to quantity ordered. Carriage Paid on £5 orders.

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ESTABLISHED 1860.

THE WORLD'S KEENEST BUYERS WILL TELL YOU THAT THE SUREST WAY TO ATTRACT LADIES TO YOUR ESTABLISHMENT IS TO STOCK AND SHOW THE EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO

The demand for this Perfect Shampoo is increasing by leaps and bounds, and as a selling proposition there is nothing to equal it.

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The EVAN WILLIAMS CO., Ltd. 18 & 18a Ogle Street, Foley St., London W. 1.

(4)

Harringtons
(HYGIENIC)
Infant Specialities
Approved by over 3,000 Nurses.

Harringtons Nursery Squares
In packets of 1 doz. The Ideal Absorbent Diapers for the Nursery. Easily washed.
Retail **13/9** doz. To Chemists **10/3** net.

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In packets of **1** doz. (One size only, 30 in. square). For ladies. Retail **13/9** per packet. To Chemists, **10/3** net.

Harringtons "Half-Squares"
For use where a smaller form of Diaper is desired.
1 doz. in packet. (30×15). To Chemists **9/6** net.

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These towels *unfold* for washing. For Ladies **10/6** doz.

Harringtons Sanitary Belt
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Widely Advertised to the Public as sold by Chemists.

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LIME CREAMS

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Toilet Paraffins, Pom. Hongroise, Tooth Powders, Dental Creams, Shampoo Powders, and All Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.
Manufacturing Chemists and Perfumers,
31-35 Lower Castle, BRISTOL.

(4)

DIADEM

Vanishing Cream

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.

Face Powder

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rosetints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

TRADE TERMS

Diadem Cream — Advertised and Minimum Retail Price 3/9; Trade per doz. 30/-

Diadem Powder — Advertised and Minimum Retail Price 2/6; Trade per doz. 20/-

Window and Counter Materials free on request. Write for particulars.

SPECIAL NOTICE AND OFFER TO THE TRADE.

Each jar of Diadem Cream contains the following notice:—

"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars, carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

ROBARTES, LTD., 128 Jermyn St., London, S.W.1

DECOLTENE The liquid hair remover — The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

Dinkie The Dainty Deodorant — An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

TRADE TERMS. DECOLTENE. Advertised and min. Retail price 3/9 Trade 30/- per doz. DINKIE. Advertised and min. Retail price 2/6 Trade 20/- per doz. Particulars and Showcards on request.

"WAVCURL" promotes Curly Hair.

An absolutely unique scientific toilet preparation. Harmless and effective. Sells at sight. Widely advertised and shows a splendid margin of profit on minimum protected price. Every Chemist who appreciates the value of quick returns and satisfied customers should stock "WAVCURL." Descriptive circular will be sent to all chemists on applying for it. Special to Wholesalers.

Packets, 1/6, at 9/- per doz. Bots., 2/9, at 21/-per doz.

THE NEW WAVCURL CO., Fulwood House, High Holborn, London, W.C.1

Farmers protect Crops from BIRDS and ROT by using

CORVUSINE D.G. A Household Word with them.

Well Advertised. No Trouble to Sell. All Chemists in Agricultural Districts should fix up Agencies NOW.

Liberal terms and particulars from Manufacturers—

HAWKER & BOTWOOD, LTD.
59 Mark Lane, London, E.C.3.

S.V.M.

Best Quality Only.

RANDALL & SON,

Limited;

Wholesale and Export Druggists,

SOUTHAMPTON

WHOLESALERS! *WHY* KEEP YOUR CUSTOMERS WAITING?

"Awaiting supplies; kindly re-order."—A recent reply from a Wholesaler.

A short time ago some Retailers informed their Customers that Pomeroy Skin Food was not now obtainable. How such an impression got about, we do not know; it is very, very far from the truth.

Now we hear of a Wholesaler writing his Customer as quoted above: "Awaiting supplies; kindly re-order." The solution of the trouble in this case is easy—the Wholesaler had allowed his stock to get too low.

There is a far larger demand for Pomeroy Skin Food nowadays, and there is greater difficulty in producing it and in delivering. But goods are dispatched still within three or four days of receipt of order, which, after all, is not a matter for complaint. However, if Wholesalers will look to their stocks and keep a little ahead of requirements, there need not be any delay in executing Chemists' orders.

POMEROY SKIN FOOD

YOUR ORDERS can be filled from the Pomeroy Laboratories in less than a week.

Mrs. POMEROY, Ltd., 115 Harwood Road, Walham Green, London, S.W. 6

CHIVERS' CARPET SOAP

CLEANS CARPETS LIKE NEW.

One Tablet will clean a large carpet.

Wholesale Price List sent on receipt of a postcard.

F. CHIVERS & CO., Ld.
67 Albany Works, BATH

"ONGARD" SAFETY PINS

(GUARANTEED RUST PROOF)

ARE THE BEST FOR SURGICAL AND NURSERY PURPOSES.

REGD TRADE MARK

SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK
MOVOL
Regd

can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.

THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.

Sold by all Chemists.
Wholesale: 8, Rue Vivienne, PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

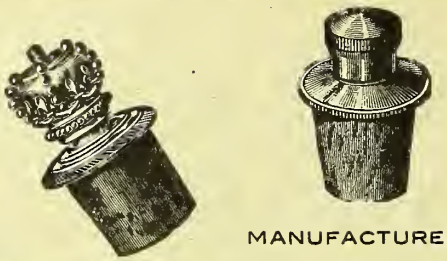
SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS
(Gouttes des Colonies)

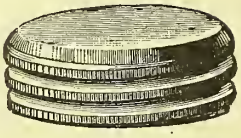
A harmless antiseptic preventative against CHOLERA-FERMENTATION-INDIGESTION & other intestinal disturbances.

SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.



MANUFACTURERS
OF



Collapsible Metallic Tubes

For Artists' Colours, Tooth Pastes, Lanoline, &c.

SPRINKLERS
FOR
Perfume Bottles and Hair Washes.

METAL CAPS
FOR
Glass Jars and Toilet Preparations.

24 CITY ROAD, FINSBURY SQUARE, LONDON, E.C. 1

1

ADEPS LANÆ, P.B.

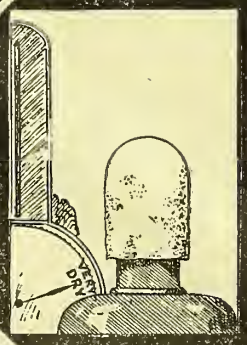
THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.



Put on Wet to-night *it's going to be Dry* in the morning. SELF-FIXED, AIRTIGHT & SPIRIT-PROOF if it is a

SEMREH

BOTTLE CAP

May we send you details?

THE VISCOSE DEVELOPMENT CO., Ltd.
BROMLEY, KENT.

Prompt dispatch can at present be given.

The "MILNER"
STRAW HAT CLEANER

SELLS WELL EVERYWHERE

3d.

It is easily used and gives complete satisfaction.

NINTH SEASON

6 dozen 10/- net.
12 ,, 19/- net.

Carriage Paid.

Orders of 20/- 2½%
£5 5% £10 7½%

MILNER'S CHEMICAL CO.
LIVERPOOL.

A most Attractive and Reliable Pharmacist's Line.

ROYAL VINOLIA VANISHING CREAM.

(NON-GREASY.)

Spring and Summer bring with them an increased demand for a good and reliable Toilet Cream.

Royal Vinolia Vanishing Cream is a perfect non-greasy skin food, which can be recommended with the greatest confidence. It always gives complete satisfaction, and therefore brings repeat orders.

YIELDS A SPLENDID PROFIT.

In 7½d. & 1/- Tubes, and 1/- Pots.

VINOLIA COMPANY LTD., LONDON - PARIS.

RV 317—29b

Trade Mark.

Established 134 Years.

R. J. Fullwood & Bland

— The OLDEST and LARGEST Firm of

ANNATTO, RENNET

and BUTTER COLOUR Manufacturers in GREAT BRITAIN

GERMANS have never had any interest whatever in R. J. F. & B.'s firm, which has been carried on by British partners and with British capital since it was established in 1785. Others who claim to be the only makers of Rennet in England CANNOT SAY THIS.

R. J. F. & B. have secured large quantities of Calves' Stomachs, and are now open to book orders for any quantity of Rennet.

Sole Addresses:

31, 33 & 35 Bevenden St., Hoxton, London, N. 1

and Rennet Works, Ellesmere, Salop.

A real Seller is ANZORA, and you should make it your leading line. Place your order now and ensure a good stock. Trade Terms are **11/6** per doz., retailed at **18/-**; **19/6** per doz., retailed at **30/-**. Show-cards on request.

DON'T STOCK SUBSTITUTES.

ANZORA PERFUMERY CO.,

28, 32, 34 Willesden Lane, London, N.W. 6.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,

Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " bottles in cartons	2/-	16/-

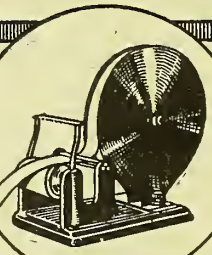
We regret that we are not able now to supply the 1/6 tins of Losall's Salt.

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

ATTRACTIVE APPEARANCE



USE THE

DEMON

SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST METHOD OF PARCELLING.

Ask for particulars and samples, or, better still, our representative will be pleased to call and demonstrate.

GUMMED PAPERS LTD.

Regd. Offices:

47 RUTLAND ST., LEICESTER

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

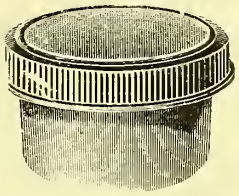
And of ST. JOHN'S, N.F. Established 1780.

WE are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides, we also have varied stocks of Glass Bottles. Send us your inquiries and ask for our Stock List.

Stocks kept of Porcelain Pomades with celluloid caps, 1, 2 and 4 oz.

Octagon Pomades in Porcelain (1 & 2 oz.) can also be supplied. Write for prices.

Sole Agents for the "SOLIDITE" Composition Corks, made in various sizes and colours. Samples and prices will be sent on application.



JULES LANG & SON, Charlton Works, Charlton Place, ISLINGTON, LONDON, N. 1.

Telegrams: "Assorted, Nordo London." Telephones: North 1344-5 (2 lines).

Sole Proprietor: FERNAND RENÉ LANG.

WOOD PULP VESSELS, Ltd.

MANUFACTURERS & EXPORTERS OF

WOOD PULP VESSELS

FOR CONFECTIONERS, CHEMISTS, GROCERS, JAM MANUFACTURERS, DAIRIES, &c. &c.

OFFICES AND FACTORIES:

233-235 Queen's Road, BATTERSEA, LONDON, S.W.

BRITISH MADE

TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1, Great Tower St. EC.
London England

Two of the World's Face Powders.

POPULAR EVERYWHERE.

BOURJOIS'
Eyebrow Pencils,
Rouges, Perfumes,
Soaps, etc.,
always command a ready sale.

Bourjois' Java Powder.
Price 11/6 doz.; 12 doz. 11/- P.A.T.A. 1/3 per box.

Bourjois' Poudre Manon Lescaut.
Price 30/- per doz. P.A.T.A. 3/9 per box.

SOLID FACE POWDER (Poudre Compacte)

BOURJOIS of PARIS is the POWDER HOUSE.

Our Solid Powder, with Puff, No. 65, IS THE BEST.

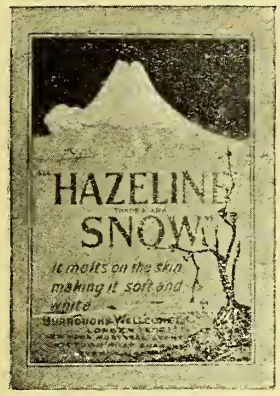
Made in Seven Tints. Rose, Naturelle, Rachel, Blanche, Rosette Brun, Ocree, and Mauve. **7/7 per doz.**

DO NOT BE MISLED BY BUYING CHEAP AND WORTHLESS IMITATIONS OF THIS ARTICLE.

HENRY C. QUELCH & CO., 4 & 5 Ludgate Square, LONDON, E.C. 4.

A Japanese Imitation

of one of Burroughs Wellcome & Co.'s Packings



The Genuine

The facsimile illustrations on the left and right show the genuine package of "'HAZELINE' SNOW" and a Japanese imitation which was sold in China.

So great was the danger of the public being deceived that the Chinese authorities issued the proclamation of which a translation is printed below.

The Imitation

The colour and design of the genuine package are reproduced almost exactly in the imitation. The only difference is that the words "Nippon Toilet & Co. made in Japan" appear instead of "Burroughs Wellcome & Co., London (Eng.)." The fronts of the cartons are here shown. On the back are the Chinese labels printed in red ink on yellow paper, and here also the imitation matches the genuine package.

THE PROCLAMATION

BY THE SPECIAL COMMISSIONER FOR FOREIGN AFFAIRS IN SHANTUNG

WHEREAS in accordance with instructions issued by the Board of Commerce and by the Governor several proclamations have been issued prohibiting Chinese from engaging in such malpractices as the sale of goods with fraudulent trade marks, the imitation of foreign trade marks, and the imitations of the wrappings of foreign goods;

AND WHEREAS I have received a despatch from the British Consul at Tsinan stating that the British firm of Burroughs Wellcome & Co., of Shanghai, accuse four Tsinan shops (Yu Yuan Ho, Lu Wan Chu, Chu Shong Ho and Chih Hsiang Lou), of selling imitations of their Company's "'Hazeline' Snow"; the trade mark of which article has for long been registered at the Shanghai Custom House;

AND WHEREAS I summoned to this Bureau and carefully examined the proprietors of these four shops, all of whom bore witness that they had bought the imitation products in other ports and had no intention of imitating foreign trade marks with a view to deceive their customers;

AND WHEREAS I gave judgment that they must not sell any more such imitation products, and solemnly warned them against continuing in their evil ways;

NOW recently there have been several cases where the trade mark on foreign goods has been imitated with a view to deceive in order that the imitators may gain an illicit profit, and the Chinese tradesman not noticing whether the article was genuine or imitation has also been deceived and ordered a stock of such goods for sale, thereby not only injuring the genuine article to a great degree, but also bringing discredit on Chinese trade. I must accordingly take action in the interests of trade and therefore issue this Proclamation that all tradesmen both inside and outside the City may know that if hereafter they sell Burroughs Wellcome & Co.'s "'Hazeline' Snow," they must be careful to examine carefully the trade mark and to distinguish between the genuine and the imitation, and not to confuse them, nor to sell any imitation "'Hazeline' Snow," or they will be summoned to the Courts for trial.

Fear and obey. Let none disregard these commands.

Urgent: A Special Proclamation:

(*Signed*) T'ANG K'O SAN,

Concurrently appointed by the Wai Chino Pu as Special Commissioner for Foreign Affairs in Shantung.

7th. Year of Chinese Republic (1918), 3rd month, 21st day.

中華民國七年三月二十一日

實貼

We prosecute offenders rigorously, in the interest of prescribers, dispensers, patients and ourselves

BURROUGHS WELLCOME & CO., LONDON

G. 841

SODII SULPHAS

"Pea" or "Feathery."

TRADE MARK.

MAGNES. SULPHAS

"Needle."

As manufactured at our Wharf Road Works, these Chemicals represent the highest attainable standard of purity and elegance.

They are guaranteed to conform not merely with the requirements of the B.P. 1914, but also with the stringent specifications of our well-known

P.P.P. (Pure for Pharmaceutical Purposes) CHEMICALS

These attributes include:

1. Freedom from "chemical" impurities of physiological significance —e.g. lead and arsenic.
2. Freedom from "chemical" impurities which, though physiologically negligible, are yet objectionable from a pharmaceutical point of view; as, for example, traces of iron, which may give rise to abnormal colourations when compounded in mixtures.
3. Freedom from "mechanical" impurities, which would necessitate filtration of the solution.
4. Ready solubility.
5. A form which renders the substance convenient to the pharmacist for handling.
6. Elegance of appearance which greatly enhances the value for retail sale.

Prompt Delivery from Stock.

THE BRITISH DRUG HOUSES, LTD.
22-30 Graham Street, City Road,
LONDON, N. I.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED. 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Подписная цѣна на сженедѣльный журналъ съ приложеніемъ Годового Дневника—12 шиллинговъ 6 пенсовъ на годъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.4.
Telegrams: "Chemicus. Cannon, London." Telephone 3617 Central (three lines).
Branches: MELBOURNE AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, June 30.

United Arts Volunteer Rifles, "D" Company (Pharmacists). Field day at Richmond. Parade at South Kensington Station at 9.30 A.M., Hammersmith Station at 9.40 A.M., or Richmond Green at 10.45 A.M. Dress: Marching order, with packs carried on straps. (July 3 and 4 at 3 P.M., platoon parades at headquarters.)

Tuesday, July 2.

Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 P.M. Mr. John Humphrey on "Profit, Percentages, and Discounts."

Wednesday, July 3.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Thursday, July 4.

Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C., at 7 P.M. Annual business meeting.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The annual meeting will be held at the Holborn Restaurant (Queen's Room) on July 11 at 3 P.M. The Chemists' Defence Association will hold its annual meeting at the same place and date, but at 4.30 P.M.

European War News.

Import and Export Notices.

SWITZERLAND.—The "London Gazette" (June 25) contains a Proclamation prohibiting the exportation of certain articles from the United Kingdom to Switzerland. This Proclamation revokes the one made on March 13, 1917, as amended by Orders of Council dated August 10 and November 27, 1917. The schedule of prohibited articles includes many chemicals, drugs, pharmaceutical and technical products, etc.

UNITED KINGDOM.—The director of the War Trade Department announces that licences for the export of tooth-brushes cannot at present be granted, save in exceptional circumstances. After the Government requirements have been satisfactorily met it will be possible to resume consideration of applications as heretofore.—The Director announces that he is now prepared to entertain applications for licence to export to France very limited quantities of Burma cutch to meet the essential requirements of the French fishing industry.

Cocaine and Opium Proclamation.

The "London Gazette," June 25, contains the text of the Cocaine and Opium (Prohibition of Import) No. 3 Proclamation made under the Customs Consolidation Act, 1876. This Proclamation repeals the Cocaine and Opium (Prohibition of Export) No. 2 Proclamation, 1916, which was an amendment of the original Proclamation printed in the *C. & D.*, August 5, 1916. The chief difference in the new Proclamation is in the definition of cocaine, which now includes ecgonine. The wording of the operative clauses of the Proclamation is as follows:

As from and after this date, subject as hereinafter provided, all cocaine and all opium shall be prohibited to be imported into the United Kingdom:

Provided always, and it is hereby declared, that nothing in this Proclamation shall apply to cocaine or opium imported under the licence of one of Our Principal Secretaries of State and in accordance with the provisions of such licence.

The word "cocaine" includes ecgonine, and any substance, whether preparation, admixture, extract or otherwise, containing 0.1 per cent. (one part in a thousand) or more of cocaine or ecgonine, or of any salt or derivative.

The word "opium" means raw opium, powdered or granulated opium, or opium prepared for smoking, and includes any solid or semi-solid mixture containing opium.

Personalia.

STAFF-SERGEANT E. H. RIDLEY, R.A.M.C., younger son of Mr. T. Ridley, pharmacist, Carlisle, has been mentioned recently in Sir Douglas Haig's despatches for devotion to duty.

BOMBARDIER CHARLES F. LAMB, R.F.A., has been awarded the Military Medal. His apprenticeship in pharmacy was served with Mr. W. H. Buck, Ph.C., Boothferry Road, Goole.

SERGEANT REGINALD CANTON, R.E., has been awarded the Military Medal. Prior to his enlistment in 1914 Sergeant Canton was with Bowmans (Warrington), Ltd., manufacturing chemists, Warrington.

SERGEANT JAMES KAY, R.A.M.C., has been awarded the Meritorious Service Medal. Prior to joining the Forces Sergeant Kay was in the sundries department of Evans Sons Lescher & Webb, Ltd., Liverpool.

PRIVATE PHILIP A. GRISTON, Royal Sussex Regiment, has been awarded the Military Medal. Private Griston served his apprenticeship with Major E. Gane Inge, R.A.M.C., chemist and druggist, who also is on active service.

PRIVATE FRANK DURHAM was one of the wounded inmates of a hospital bombed lately by enemy airmen, and sustained a severe shock to his nerves. Till enlistment he was with Mr. Robert Sharples, chemist and druggist, Bridlington.

MISS L. VARLEY, daughter of Mr. W. M. Varley, chemist and druggist, Horwich, has been awarded the Royal Red Cross, Second Class. Miss Varley, who is at present stationed in England, was nursing for two years at Salonika.

BOMBARDIER H. H. PLATTIN, R.F.A., has been awarded the Meritorious Service Medal for gallantry in the performance of military duty. Bombardier Plattin is the second son of Mr. H. R. Plattin, pharmacist, Medical Hall, Chelmsford.

SERGEANT J. W. GIBSON, R.F.A., who has recently been promoted to his present rank, has been awarded the Meritorious Service Medal. Sergeant Gibson is the only son of Mr. George S. Gibson, chemist and druggist, Upper Church Street, West Hartlepool.

The Following Casualties are reported in connection with soldiers who till their enlistment were with Joseph Crosfield & Sons, Ltd., Warrington: Gunner George Dodson, Machine Gun Corps, wounded and in hospital abroad; Signaller Percy Holbrook, R.F.A., wounded.

Sergeant A. Cox, R.A.M.C., has been awarded the Meritorious Service Medal. Sergeant Cox, who till the outbreak of war was an assistant with his father-in-law, Mr. G. B. Wright, D.B.O.A., chemist and druggist, Hebden Bridge, was then mobilised as a Territorial, and has been on active service on the Western Front for over two years.

Mr. G. R. Davenport Hankinson, L.D.S. (Man.), son of Mr. G. R. Hankinson, chemist and druggist, Howitt House, Uttoxeter, has received a commission as a dental surgeon in the Royal Navy, with the rank of lieutenant, seniority as from June 18. Lieutenant Davenport Hankinson has been for some time a senior house surgeon at the Royal Infirmary, Manchester.

Private C. A. Bingham, East Lancashire Regiment, is reported as missing since May 27. Private Bingham is the elder son of Mr. A. C. Bingham, York Road, St. Anne's-on-Sea, senior representative of Robinson & Sons, Ltd., Chesterfield. He distinguished himself at school both in studies and in sports, and, after matriculating, enlisted at the age of seventeen. He had been recommended for a commission.

Miscellaneous.

Lard.—The controlled price of lard is now 1*s.* 8*d.* per lb.

Enemy Patents.—Licences have been granted to the Dearsenol Co., Ltd., to use patents 3,934/07, 13,485/10, 5,595/11, 7,865/12, and 8,219/12 for the manufacture of salvarsan.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Barnsley.—Mr. Arthur Wright, chemist and druggist, was temporarily exempted for three months.

Battersea.—The appeal of Mr. Alfred Smith, herbalist, York Road, who stated that he served 300 customers a day, was disallowed, the calling-up to take effect on August 11.

Bermondsey.—Mr. W. G. Kay, Secretary to Meggeson & Co., Ltd., lozenge-manufacturers, was exempted for two months, with leave to appeal again.—Mr. W. J. Gough (Gough, Kidston & Co., manufacturing chemists) was exempted for six months.—Mr. W. J. Allwood, assistant with Mr. H. P. Hogwood, chemist and druggist, was exempted for three months.

Shoreditch.—In answer to the National Service Representative's application for a review of exemption, Mr. Robert Charles Warrick, chemist and druggist (Warrick Bros., Ltd., Nile Street, City Road), stated that his uncle (Mr. F. W. Warrick, Ph.C.), who was a co-director, and a chemist in their employ, were the only qualified persons besides himself left to carry on. The N.S.R.'s application was granted, and Mr. Warrick was informed that his company would have to submit the fullest details of their trading.

Southwark.—A buyer with Shirley Bros., Ltd., was exempted for six months. The appeal of Mr. E. C. Jones, described as a dental-requisites manufacturer, was dismissed, the calling-up to take effect on September 1.

Gazette.

Bankruptcy Acts.

Adjudication.

Thorne, H. S., 5 Finkle Street, Selby, lately at 98 Sackville Street, Barnsley, and 26 Finkle Street, Selby, chemist and photographer.

August Richter, Ph.D., "Royal Chief Pharmacist and Chemist in Reserve, German Army," aged thirty-eight, has been arrested in New York as an alien enemy. He applied for citizenship papers in 1915, but would not renounce his oath as a German Army reservist.

Austrian State Monopoly of Phosphatic Materials.—A Bill giving to the State monopoly rights in the winning of materials containing phosphoric acid has become law. Before the war Austria was dependent on foreign imports, chiefly from Florida and Tunis, and when these were cut off, bones and the by-products of steel manufacture were forthcoming only in very inadequate quantities, to the great injury of agriculture.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative

An Analytical Chemist Conscript.

A question was asked in the House of Commons on June 30 regarding Mr. Norman Strafford, an analytical chemist at Leeds, who was engaged in an explosives factory, but was required to join the Army notwithstanding that he had curvature of the spine.

The Minister of National Service replied that Mr. Strafford's application for medical re-examination was refused by the Appeal Tribunal, and that the Ministry has no control over this decision.

Halfpenny Postage.

In the House of Commons on June 25, Mr. Rendall asked the Postmaster-General whether a circular-letter printed on a postcard is charged 1*d.* for postage, whereas if enclosed in an envelope it is charged for ½*d.*; and whether, as in the latter case the paper for the envelope and the time of the Post Office servants in examination of the contents are wasted, he will prevent this compulsory throwing away of envelopes and time by arranging to allow circular-letters printed on cards to go through the post for ½*d.*

The Postmaster-General (Mr. Illingworth) replied that a circular admissible at the printed paper rate does not become inadmissible if printed on a card marked "Postcard," and sent through the post. But it is advisable that the word "postcard" should, before posting, be replaced by "printed paper," in order that Post Office servants may not be misled. The supposition that the use of an open envelope is essential before a circular printed upon a card can be admitted to the printed-paper rate is entirely erroneous.

Opium in China.

Sir W. Collins asked the Under-Secretary of State for War, on June 20, whether he has official information to the effect that the whole of the surplus Indian opium stocks have been purchased by the Chinese Government with a view to resale to a syndicate, described as an anti-opium society, thus reviving the opium traffic in China; and, if so, whether his Majesty's Government proposes to take any and, if so, what steps with a view to obviate the revival of the traffic in Indian opium in China.

Mr. Balfour replied that his Majesty's Government has received official information to the effect that an agreement has been concluded between the Chinese Government and the Opium Combine for the purchase of the stocks of Indian opium in bond at Shanghai and Canton, but has no official information as regards the resale of the stocks to a syndicate. His Majesty's Government has not taken any part in, or given any official countenance to, the negotiations which led up to this agreement, but, inasmuch as the stocks of Indian opium which have been purchased by the Chinese Government were imported into China under the terms and during the course of the 1911 agreement, it was unable to prevent the conclusion of this private transaction. The importation of certificated Indian opium into China has ceased to be legal with the expiration on December 31 last of the 1911 agreement. His Majesty's Government therefore has no reason to fear that the formation of a Chinese syndicate for the purpose of disposing in China of the stocks of Indian opium remaining unsold at that date in the hands of the combine will lead to a revival of the traffic in opium between China and British India.

Business Changes.

Mr. F. Milligan, chemist and druggist, late of 9 High Street, Beckenham, has purchased the business known as Walker's Drug Stores, 100 Myddleton Road, Bowes Park, London, N. 22.

C. B. Allen & Sons, chemists, High Road, Kilburn, London, N.W., have purchased the prescription-books, etc., of the business (now closed) lately carried on by Mr. F. W. Gardner at 238 Belsize Road, Kilburn.

Pathological Christian Names.—A London morning paper has been entertaining its readers with stories of illiterate parents who have chosen such names as "Eczema" and "Neuralgia" for their offspring. One proud father, it is said, decided on "Angina Pectoris" for a daughter's name, but was induced by his parson to accept "Anne Georgina" instead.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following Government contracts were notified during May:

WAR OFFICE.—*Calcium Carbide.*—British Carbide Factories, Ltd. *Chemicals.*—Johnson & Sons (Manufacturing Chemists), Ltd. *Chloride of Lime.*—United Alkali Co., Ltd. *Disinfectants.*—Boot's Pure Drug Co., Ltd. *Haircombs.*—Aberdeen Comb Works, Ltd. *Medicines.*—Burroughs Wellcome & Co.; J. F. Macfarlan & Co.; Whiffen & Sons, Ltd. *Naphtha.*—Burt, Boulton & Haywood, Ltd. *Paraffin Wax.*—Pumpherston Oil Co., Ltd. *Photographic Stores.*—British Film Stock Co., Ltd.; Foxcroft & Co., Ltd.; Houghton-Butcher Manufacturing Co., Ltd.; T. Illingworth & Co., Ltd.; Thornton-Pickard Manufacturing Co., Ltd.; Williamson Kinematograph Co., Ltd. *Rubber Gloves.*—J. G. Ingram & Son, Ltd. *Soap.*—Lever Bros., Ltd.; Ogston & Tennant, Ltd.; R. Wheen & Sons, Ltd.; Wilkie & Soames, Ltd. *Sterilisers.*—Allen & Hanburys, Ltd.; Arnold & Sons; J. & R. Oldfield, Ltd.; Rosebery Metal Co. *Surgical Materials.*—Arnold & Sons; British Oxygen Co., Ltd.; J. Bury & Co., Ltd.; Cavendish Electrical Co., Ltd.; Down Bros., Ltd.; J. G. Franklin & Sons, Ltd.; J. Gardner & Son; General Surgical Co., Ltd.; J. L. Hatrick & Co., Ltd.; H. Lewis; S. Maw, Son & Sons, Ltd.; Platts Mill Co., Ltd.; E. Shrimpton & Fletcher; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; Springfield Mill Co.; Swift & Goodison; Vernon & Co., Ltd.

INDIA OFFICE.—*Ether.*—Howards & Sons, Ltd.

H.M. OFFICE OF WORKS.—*Soap.*—Price's Patent Candle Co., Ltd.; J. Watson & Sons, Ltd.; John Knight, Ltd.; Hull Chemical Works Co.

The following tenders have been accepted by the bodies named:

Cranbrook Guardians.—Mr. A. J. Gray, chemist and druggist, Hawkhurst, medical appliances.

Orsett Guardians.—Jordan Bros., chemists, Grays, drugs.

Birmingham.

There is a great demand here for oleum theobromatis for preparing home-made chocolate.

Superphosphate, ammonium sulphate, and potassium chloride are being "boomed" in local "garden hints."

Influenza (said to be of the Spanish variety), mumps, measles, and chicken-pox are among the complaints rampant here.

Mr. T. W. Chapman, whose silver wedding is announced (see p. 39), is the proprietor of an old-established pharmacy in Bristol Street.

A well-known dispensing firm with a large trade in "own" proprietaries has been allotted 1 lb. of glycerin for the current year!

"Apprentice. Youth, gentlemanly and well educated," begins a recent advertisement in the local Press. "But will they come when you do call for them?"

Contributions announced towards a prize-scheme for allotment-holders include the following: Alderman Clayton, Ph.C., 10*l.*; Mr. George Cadbury, jun., 10*l.*; Mr. W. A. Albright, 5*l.*

A smart little lady of eight summers presented herself for the Entrance examination of a high school in this city, and in decisive tones asked if there was a paper on science, as she lived in a chemist's shop!

A periodical sermon in memory of John Henry Shorthouse, author of "John Inglesant," and partner in the firm of Joseph Shorthouse & Sons, chemical and lacquer manufacturers, has been instituted at Edgbaston Parish Church. Mr. Shorthouse died in 1903.

At an inquest held by the Birmingham Coroner, on June 21, on an infant named Jerome, the mother of the child gave evidence that she sent out for olive oil and administered a teaspoonful of the oil brought back, which proved to be camphorated oil. George Henry Sidney Burgess, druggist, 118 Aston Road, stated in evidence that he remembered the child of the previous witness coming to the shop on June 18 and asking for camphorated oil. He could not say whether there was a label on the bottle. He did not put one on. Eventually the child returned and said that she wanted olive oil, was told that she had asked for camphorated oil, and was sent back for a clean bottle. A verdict was returned, in accordance with medical evidence, that death was due to bronchitis accelerated by camphor-poisoning.

Liverpool.

Much inconvenience is caused to retailers by the present scarcity of silver coin.

A check to business this week is ascribed to the current "combing out," which has a disturbing effect.

The pharmacy of Mr. W. J. Roberts, Smithdown Road, has been transferred to Mr. Heath, formerly with Clay & Abraham.

Mr. Charles Hare, Liverpool Road, Southport, is displaying a fine specimen of a young shark, caught off the Moroccan coast.

The new form of influenza has become virulent in South-East Lancashire, and preventives and remedies are being displayed in the Mersey district.

"Take it that there is a restriction on everything, unless you ascertain to the contrary; and keep your eye on the *C. & D.*" Such was the instruction given this week to the staff at a well-known wholesale house.

The Council of the Liverpool Chemists' Association met at the Royal Institution on June 26 to appoint delegates to the Pharmaceutical Conference at Bloomsbury Square on July 10. Mr. William P. Evans (President) having explained that he could not be in London on the date named, Mr. W. H. Clubb (Vice-President) and Mr. H. Humphreys Jones (Hon. Local Secretary to the Pharmaceutical Conference) were appointed, and were authorised to renew the invitation to the Conference to revisit Liverpool at the first opportunity.

Sheffield.

Mr. J. V. Mainprize, late apprentice with Mr. J. T. Appleton, Walkley, has graduated in medicine.

The Court of Governors has held a special meeting at the University to sanction the new ordinance to confer the degree of Doctor of Philosophy.

Mr. John Austen, Ph.C., has been elected by the Sheffield chemists to a seat on the Court of Governors of the Sheffield University, as provided for by its Charter.

Some of the younger chemists who come into the new "clean cut" category are obviously suffering an injustice. After having been medically examined prior to the new regulations, they allowed their medical grading (which in some cases is doubtless too high) to go by unchallenged, only to find that on appeal for a re-examination they are too late, the five days allowed having gone by.

Miscellaneous.

INDUSTRIAL RECONSTRUCTION COUNCIL.—The address of this organisation is now 2 and 4 Tudor Street, London, E.C. 4.

POISON-LICENCE.—Annie Smith, trading as Ponsford & Co., 3 Devonshire Road, Bexhill, has applied to the Bexhill Town Council for a licence to sell agricultural and horticultural poisons.

PETROLEUM PRODUCTS AS FOOD.—Mr. E. J. Parry, B.Sc., F.I.C., writes to "The Times" warning the public that foodstuffs have appeared on the market which, being essentially petroleum products, can have no nutritive value. Olive oil and lard and butter substitutes should be carefully examined for petroleum products, says Mr. Parry.

TONIC WINES IN RED CROSS SALE.—Among the wines in the Red Cross Sale held at the Wool Exchange, London, E.C., on June 17-21, were the following: Oxavin, Wincarnis, Newman's Fortreviver Liqueur Tonic, Vimal, and Winox. The list of donors included Stephen Smith & Co., Ltd., who contributed pale brandy, and James Burrough, Ltd., who sent various liqueurs.

VENEREAL DISEASE ORDER.—On and after July 1 the following are additional scheduled areas under Section 1 of the Venereal Disease Act:

Counties: Berks, Denbigh, Derby, Devon, Dorset, Isle of Wight, Lancaster, Nottingham, Somerset, Stafford, East Suffolk, West Suffolk, Wilts, East Riding of Yorkshire.

County Boroughs: Blackburn, Bristol, Burton-upon-Trent, Derby, Ipswich, Kingston-upon-Hull, Reading, Rochdale, Southampton, Southport, Walsall, Wolverhampton.

The areas previously scheduled were enumerated in the *C. & D.*, July 28, 1917, p. 43, and December 22, 1917, p. 34.

INQUESTS.—On June 13, an inquest was held at Thirsk on the body of a child named Barker, aged two, who died from drinking carbolic acid. Evidence showed that the child's mother had previously placed a bottle of carbolic acid on the floor. A verdict of "Accidental death" was returned.—Mary Ellen Heptonstall, a Wakefield woman, died on June 9 from the effects of ammonia, consumed, it is supposed, in mistake for beer.—On June 15, Frederick P. R. Soper, dental mechanic, North Side, Clapham Common, London, S.W., committed suicide with glacial acetic acid while of unsound mind.—An inquest was held at

Blandford, on June 21, on the body of an infant named Brett, who opened a bottle described as containing "syrup tablets for headache" during its mother's absence, and subsequently died of convulsions. The jury, in returning a verdict that death was due to accidental strychnine-poisoning, expressed the view that such medicine ought not to be purchased unless prescribed by a doctor.—At the adjourned inquest at Todmorden on the body of Robert Barker, who died after taking a headache-powder (*C. & D.*, June 15, p. 35), the West Riding county analyst stated that similar powders, which in his opinion consisted entirely of antifebrin, were "very carelessly portioned," one weighing over two and a half times as much as another. A verdict of "Death from natural causes" was returned. The Coroner, however, said he was bound to warn the makers of the powders that the instructions on the packets were inadequate, and that if another death occurred they might find themselves in a serious position.

LONDON CHAMBER OF COMMERCE (PROPRIETARY ARTICLES SECTION).—The annual meeting of the Owners of Proprietary Articles Section of the London Chamber of Commerce was held at Oxford Court, E.C., on June 26. Mr. W. H. Woodward, M.A. (Chairman), presiding. After the re-election of the Chairman, Deputy-Chairman, and special Committee, feeling reference to the death of the late Mr. Edward Glover (*C. & D.*, May 18, p. 38) was made by the Chairman, Mr. J. A. Kenningham, and Mr. J. Lawson, and a vote of condolence was passed in silence, the members rising in their places. Among the items in the agenda was one calling attention to the proposed addition of acetanilide to Section 5 of the 1908 Poisons and Pharmacy Act (*C. & D.*, June 15, p. 43). Mr. R. C. Wren (Potter & Clarke, Ltd.) moved the appointment of a special Committee to deal with the matter. He pointed out that only four deaths from acetanilide have been recorded in about twenty years, in which period the consumption of headache-powders in Great Britain alone amounted, it was estimated, to 70,000,000. The present position, according to the terms of a letter received by Mr. Wren, is that the Privy Council is willing to wait till further representations have been made. The Committee was constituted as follows: Messrs. Ellis ("Daisy"), Parkinson (Burnley), Gledhill ("Kaputine"), Kenningham, and Wren. Mr. J. Lawson (Boots, Ltd.) was asked to assist the Committee unofficially. Another matter on which action was taken was the prohibition by the Department of Import Restrictions, after consultation with the National Health Insurance Commissioners, of the importation of certain proprietary medicines. A resolution was passed in favour of suitable representations being made to the Department concerned.

Irish News.

Brevities.

At the summer Matriculation examination held in connection with the Queen's University of Belfast, Mr. D. R. Buller, R.D., was a successful candidate. Mr. Buller was until recently in charge of the drug department of Mr. W. E. Wilson (late of J. & J. Haslett, Ltd.), North Street, Belfast.

Mr. James J. McHenry, Ph.C., the Natural Pharmacy, 23 High Street, Enniskillen, has just passed in materia medica, pharmacology and therapeutics, medical jurisprudence, toxicology and public health in his Third Professional examination at the Royal College of Surgeons, Ireland. Mr. McHenry was until January resident assistant at the National Children's Hospital, 88 Harcourt Street, Dublin.

The outbreak of influenza in Belfast shows no signs of abating, the disease having now spread to all parts of the city. A number of national schools and Sunday-schools are now closed, and difficulties have arisen in many pharmacies owing to the large number of cases which have occurred among the employés. On June 20, for instance, one pharmacy was called upon to compound 450 prescriptions, with most of the staff away owing to influenza. Our report states that the dispensing was nevertheless carried out satisfactorily! The Cork chemists have also been busy, and Saturday, June 15, is stated to have been a record day in compounding medicines. In nearly all establishments assistants had to be kept on an hour or two later in the evening to cope with the business. During the last week there has been an epidemic of influenza in Tipperary town, and several hundreds of the military and civilians have been among the victims.

RAT-DESTRUCTION.—The Board of Agriculture has issued a revised edition of Leaflet 244 dealing with the destruction of rats. Copies of the leaflet are supplied free of charge on application to 3 St. James's Square, London, S.W. 1.

Scottish News.

Brevities.

Qualified assistants are advertised for in current Scottish newspapers, 4*l.* a week being offered.

Treasurer John Bain, Ph.C., Bridge of Allan, has been promoted to a Bailieship in the local Town Council.

Edinburgh.

"The cheapest tooth-brush will soon be half-a-crown," says a well-known sundries traveller.

Several chemists in business of the "over forty" groups have been summoned for medical examination.

The majority of those who regularly patronise personal weighing-machines still complain that they are losing weight.

It has been decided that the courses for the Degree in Commerce at Edinburgh University shall begin next October.

"Seccotino tablets" is said to be the latest misnomer for a certain elusive commodity. They are decidedly good stickers—somewhere in Great Britain.

Some time ago the R.A.F. advertised for old safety-razor blades for an unspecified purpose. In response, 7,000 old blades were received this week from Singapore.

Glasgow.

The Glasgow police authorities state that spurious 1*l.* Treasury notes are in circulation in the city.

The rooms of the Glasgow and West of Scotland Chemists' Association will be closed during the month of July. Communications should be sent to the Hon. General Secretary, Mr. H. P. Arthur, 361 Victoria Road, Crosshill, Glasgow.

A bowling-match was held, under the auspices of the Glasgow Pharmacy Athletic Club, on the Bellahouston Club's green on June 18. Four rinks took part. The following were the skips and "majorities":

Horace G. Gray beat J. T. Simpson by 24.
Jas. Moir beat Geo. McDonald by 23.
A. G. Sutherland beat D. Black by 9.
C. B. Lee beat W. D. Paterson by 8.

The four players in the highest-up rink (Mr. H. G. Gray's) were each presented with a prize.

Scottish Chemists' Retail-price List.

The following are some of the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs.*—Ammon. brom., 4*d.* dr.; arecæ pulv., 8*d.* oz.; conf. sulph., 5*d.* oz.; ext. casc. sag. liq., 6*d.* oz.; ol. sassaf., 6*d.* dr.; pepsin, B.P., 10*d.* dr.; phenacetin, 5 gr., 2*d.* (10 gr., 3*d.*); sodii brom., 3*d.* dr.; sulph. præcip., 3*d.* oz. *Packed Goods.*—Copaiba capsules (10-m.) xxiv., 1*s.* 6*d.*; syrup of figs, 2-oz. 9*d.*, 4-oz. 1*s.* 4*d.* *Proprietaries.*—Atkinson's Californian Poppy, unboxed, 2*s.* 9*d.*, 4*s.* 8*d.*; Pinaud's Eau de Quinine, 3*s.* 4½*d.*, 6*s.* 6*d.*; Rimmel's Toilet Vinegar, 2*s.* 3*d.*, 5*s.* 6*d.*; Tatcho, 1*s.* 3*d.*, 2*s.* 9*d.*; blue-seal vaseline, 4½*d.*, 9*d.*, 1*s.* 11*d.*

French News.

(From the "C. & D." Paris Correspondent.)

ENGLISH-FRENCH VOCABULARY.—Mr. Alexander Howard Stewart, whose name will be familiar to *C. & D.* readers (*C. & D.*, December 26, 1914) as pharmacist of the American Ambulance at the Lycée Pasteur, Neuilly, has published a useful little vocabulary in two languages, "English-French Ambulance and Hospital Aid Book."

DRUG PRICES.—The Minister of Commerce has fixed the following prices for quantities under 1 kilo.: Quinine sulphate (supplied by the Army Sanitary Service), 210fr. per kilo.; guaiacol, 100fr. per kilo.; guaiacol carbonate, 120fr. per kilo.; potassium sulphoguaiacolate, 87fr. per kilo. The price of pure alcohol supplied by the Office Pharmaceutique has been raised from 240fr. to 350fr. per 100 litres.

WAR HONOURS.—Professors Lebeau and Délépine have received the Cross of Chevalier, also M. Choay, the 1918 President of the Paris Society of Pharmacy, M. A. E. Goris, first-class "Major" (of the Central Army Pharmacy), and M. Gully, the Parisian pharmacist of the Place de la Nation, who had already won the War Cross. M. Pauleau, first-class Army pharmacist, has been promoted Commander of the Legion of Honour. The red rosette of "Officer" of the Legion has been presented to two professors of the Paris School of Pharmacy, M. Moureu and M. Perrot. Both these are now serving as first-class Army pharmacist-majors.

Pharmaceutical Society.

North British Branch.

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on June 19. Mr. DAVID GILMOUR, Chairman of the Executive, expressed the satisfaction of the Executive and of all Scottish pharmacists, and offered their congratulations to Mr. W. L. Currie on the distinguished honour conferred upon him by election to the office of President of the Society. They were delighted to welcome him in that capacity at their meeting. The PRESIDENT, on taking the chair, thanked the members of Executive for their congratulations and good wishes. Those present were: Messrs. Cowie, A. Currie, W. L. Currie, Drummond, Fisher, Giles, D. Gilmour, Glass, Guthrie, McMillan, Marshall, and Thomson.

Mr. GUTHRIE referred to the remit to the General Purposes Committee as to the calling of a Conference of local Association delegates, and was informed that in view of the replies from local Associations no further steps had been taken. On the suggestion of the PRESIDENT, it was agreed to refer the question to the new Executive, with a direction that an endeavour should be made to get into touch with various Associations and the parties taking an interest in the question of the organisation of local Associations in Scotland.

MILITARY SERVICE.

It was reported that pursuant to the new arrangement regarding chemists and military service, necessitated by the Military Service (No. 2) Act, 1918, the General Purposes Committee and the Drug Tariff Sub-Committee had met and delegated their powers to a new Pharmaceutical Advisory Committee (Scotland), composed of Messrs. David Gilmour, Dunfermline, Chairman of the Executive; Thomas Guthrie, Clydebank, Chairman of the Pharmaceutical Standing Committee (Scotland); James Bell, Edinburgh, representing bodies corporate; A. Currie, Leith; W. S. Glass, Edinburgh; G. S. Kitchin, Glasgow; and W. G. McNab, Gorebridge. This Committee had held several conferences with the Scottish Insurance Commissioners and the Deputy-Director of National Service (Scotland), and an agreement had been concluded on the following basis: (1) Proprietors or managers, Grade I., born in or after 1887; (2) qualified assistants, Grade I., born in or after 1883; (3) unqualified assistants, Grade I., born in or after 1875, and Grade II., born in or after 1883, to be called up for military service; all others to remain in civil employment. Instructions have been issued to all Local and Appeal National Service Representatives, Insurance Committees, and Pharmaceutical Committees, on the lines of the foregoing agreement, which was substantially the same as the agreement arrived at for England and Wales.

It was reported that a reply had been received from Dr. Addison, M.P., Ministry of Reconstruction, on the suggestions submitted by the Executive relating to the proposed Ministry of Health and the setting-up of a separate Department for Scotland.

Annual General Meeting.

THE annual general meeting of the members of the Society resident in Scotland was held after the Executive meeting, the President (Mr. W. L. Currie) in the chair.

The Chairman of the Executive (Mr. DAVID GILMOUR), on behalf of the members, gave a cordial welcome to Mr. W. L. Currie in his new capacity as President of the Society, and the President was received with applause.

The PRESIDENT, in acknowledging their congratulations, said he accepted this office as, in a sense, a personal honour coming to him after a good many years' service on the Council, but he regarded it still more as a national honour and a recognition of the loyalty and energy of Scottish pharmacists in everything relating to the advancement of pharmacy and the interests of the Society.

Mr. DAVID GILMOUR (Chairman of the Executive) then reviewed the work of the Executive as indicated in the annual report to the Council, copies of which had been circulated to all the members in Scotland. The membership of the Society is a record one.

ELECTION OF EXECUTIVE.

It was reported that fifty-two members had been nominated, of whom thirty signified their willingness to act if elected. Voting-papers issued were 1,030, of which 579 were returned, 35 being informal, leaving 344 votes to be recorded. The following is the result of the poll:

McMillan, A.	256	Gilmour, A.	169
Gilmour, D.	249	Fisher, J. H.	165
Storrar, D.	248		
Mackenzie, T.	223		
Cowie, W. B.	218	Wilson, W. P.	163
Giles, W.	214	Marshall, R.	160
Drummond, R. G.	211	Muir, J.	151
Murray, A.	211	Brown, W. W.	134
Currie, A.	204	Clark, A. J.	132
Forbes, J. J.	198	Harley, D.	128
Arthur, H. P.	193	Mitchell, J. B.	122
Glass, W. S.	183	Nisbet, P.	109
Thomson, J. H.	183	Boag, M. G.	106
Ramsay, J. H.	181	Mitchell, N. L.	79
Jack, J.	179	Spence, A.	76
Nesbit, J.	179	Cowie, E.	71

The new members are Messrs. Arthur, A. Gilmour, Murray, and Ramsay.

The PRESIDENT declared the first eighteen duly elected members of the Executive Committee. Votes of thanks were given to the scrutineers and the President.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Hampshire.—The Pharmaceutical Committee met at the office of the Insurance Committee, Winchester, on June 19, Mr. S. G. Bartlett presiding. It was resolved that, no request having been made for a change, the Pharmaceutical Committee remain in office for another year, and Mr. S. G. Bartlett was re-elected Chairman. The reports of the Central Checking Bureau on the prescriptions for the five months ended February 1918 were received and approved. The Secretary reported on the position of pharmacists and military service in the county, and the steps that had to be taken to prepare a register of all pharmacists and their assistants in the area. The reports received showed how the ranks of pharmacy had been depleted. Messrs. Bartlett, Davies, and Wride were appointed as a Sub-Committee to deal with the situation.

June Drug Tariff.

The following are the alterations for June in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Acid. salicylic., 7*s.* 6*d.* lb.; caffeina, 4*s.* 6*d.* oz.; phenacetin, 2*s.* 7*d.* oz.; phenazon., 4*s.* 9*d.* oz.; pot. brom., 13*s.* 9*d.* lb.; sodii glycerophosph., 100 p.c., 2*s.* 2*d.* oz.; ditto, 50 p.c., 8½*d.* oz.; sodii salicylas (cryst.), 10*s.* lb.; strych. hydrochlor., 8*s.* 6*d.* oz.; zinci valerian., 4*s.* 4*d.* oz. Bandages: indiarubber (elastic web), 3 in., 9.25*d.* per yard. *Higher:* Acetanilidum, 9*s.* 6*d.* lb.; acid. benzoic. (synthetic), 2*s.* 1*d.* oz.; acid. citric. pulv., 4*s.* 4*d.* lb.; acid. sulph. aromat., 5*s.* 8*d.* lb.; acid. tartaric., 4*s.* 4*d.* lb.; ammon. brom., 13*s.* 4*d.* lb.; camphora (flowers), 6*s.* 5*d.* lb.; capsulæ creosoti m. 2, 3.60*d.* per doz.; cocain. hydrochlor., 10*s.* 9*d.* dr.; copaiba, B.P., 8*s.* lb.; creosotum, 2*s.* 10*d.* oz.; dec. sarsæ jam. co. (ex conc.), 8*s.* 6*d.* lb.; ext. casc. sagr. sicc., 12*s.* 4*d.* lb.; ext. casc. sagr. liq., 3*s.* 6*d.* lb.; ext. cinchonæ liq., 5*s.* 10*d.* lb.; ext. ergotæ, 3*s.* oz.; ext. malti, 11½*d.* lb.; ext. malti c. ol. morrh., B.P.C., 1*s.* 4*d.* lb.; ext. viburn. liq., 11*s.* 2*d.* lb.; inf. caryoph. (ex conc.), 2*s.* 8*d.* lb.; inf. gent. co. (ex conc.), 2*s.* lb.; inf. quassiæ (ex conc.), 1*s.* 7*d.* lb.; inf rhei (ex conc.), 3*s.* 4*d.* lb.; inf. sennæ (ex conc.), 3*s.* 4*d.* lb.; inf. valerian. (ex conc.), 3*s.* 4*d.* lb.; lin. methyl sal. co., B.P.C., 20*s.* lb.; liq. formaldehyd., 5*s.* 3*d.* lb.; liq formaldehyd. sap., 6*s.* 8*d.* lb.; liq. picis carbonis, 6*s.* 8*d.* lb.; liq. strych. hydrochl., 3*s.* 6*d.* lb.; mag. carb. lev., 1*s.* 8*d.* lb.; mag. carb. pond., 1*s.* 10*d.* lb.; metbyl salicylas, 1*s.* 3*d.* oz.; ol. amygdalæ, 5*s.* lb.; ol. cajuput., 10*s.* 6*d.* lb.; ol. morrhuæ (Norwegian, 1917, opt.), 25*s.* 6*d.* gal.; ol. santal., 4*s.* 10*d.* oz.; paraff. mol. (alb.), 2*s.* 2*d.* lb.; paraff. mol. (flav.), 1*s.* 2*d.* lb.; pepsin., 3*s.* 6*d.* oz.; podoph. res., 3*s.* 4*d.* oz.; pot. acet. (dry granules), 6*s.* 2*d.* lb.; pulv. sodæ tart. eff., 12.00*d.* per doz.; santonin, 16*s.* 8*d.* oz.; sodii brom., 7*s.* 8*d.* lb.; spt. æther. nitrosi, 5*s.* 10*d.* lb.; spt. ammon. aromat., 4*s.* 6*d.* lb.; sulphur præcip., 1*s.* 6*d.* lb.; tab. formaldehydi, B.P.C., 1.37*d.* per doz.; tr. asafet., 6*s.* 8*d.* lb.; tr. aurantii, 10*s.* 6*d.* lb.; tr. belladon., 6*s.* 8*d.* lb.; tr. benzoini co., 7*s.* 8*d.* lb.; tr. camph. co., 4*s.* 9*d.* lb.; tr. cantharidini, 7*s.* 4*d.* lb.; tr. capsici, 4*s.* 9*d.* lb.; tr. catechu, 3*s.* 6*d.* lb.; tr. chlorof. et morph. co., 10*s.* 6*d.* lb.; tr. chlorof. et morph., '85, 4*s.* 6*d.* lb.; tr. digitalis, 5*s.* 6*d.* lb.; tr. gelsemii, 5*s.* lb.; tr. gent. co., 3*s.* 8*d.* lb.; tr. guaiaci ammon., 7*s.* 2*d.* lb.; tr. hyoscyami, 6*s.* 8*d.* lb.; tr. iodi fort., 8*s.* 6*d.* lb.; tr. lavand. co., 7*s.* 6*d.* lb.; tr. lobel. æth., 8*s.* 4*d.* lb.; tr. nucis vom., 5*s.* 2*d.* lb.; tr. opii, 11*s.* 4*d.* lb.; tr. scillæ, 4*s.* 8*d.* lb.; tr. strophanth., 7*s.* 6*d.* lb.; tr. zingib., 7*s.* lb.; ung. acid. boric., B.P., 2*s.* 3*d.* lb.; ung. ac. salicyl., 3*s.* 4*d.* lb.; ung. hyd. nit., 4*s.* 9*d.* lb.; vinum antimoniale, 3*s.* lb.

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Legal Reports.

Oil-extraction Machine.—In the City of London Court, on June 17, before Judge Rentoul, K.C., an action was brought by the Premier Filterpress Co., Ltd., Finsbury Pavement House, Finsbury Pavement, London, E.C., against the British Vegetable Oil Extraction Corporation, Ltd., 11 Pancras Lane, E.C., and Edmonton, to recover 55*l.* for a second-hand American steam mangle supplied for use in extracting vegetable oil. After hearing the case, the Judge ordered that the matter should be determined by the nominee of the President of the Junior Institute of Mechanical Engineers.

Chemist's Traveller's Award.—In the Bow County Court on June 26, before Judge Graham, K.C., there was an action down for hearing in which Mr. Albert Victor Ashdown, Church Street, Staines, of the R.N.A.S., claimed from Chetwin & Newark, Ltd., manufacturing chemists, 24-26 Wilson Street, Poplar, 100*l.*, or for an account to be taken. It appeared that the plaintiff had been a traveller in the employ of the defendants, and he was claiming commission on orders received by him and for orders that had been the result of his labours. The parties discussed terms for the best part of an hour, and finally it was stated that the case had been settled, the defendants to pay 100*l.* in full discharge of this claim, including past, present, and future claims, which might have accrued out of plaintiff's past services. Counsel asked that the case should be adjourned for fourteen days for the money to be paid, with liberty to restore if this was not done. This course was agreed to.

A Saccharin Deal.—At the Liverpool County Court on June 24, Crisp & Co., Ladypool Road, Birmingham, were sued by Henry Parker, Liverpool, for breach of contract. The case for the plaintiff was that on April 22 he purchased from the defendant 25 lb. of saccharin, at 15*l.* 10*s.* per lb., delivered at Liverpool, and the same night posted a cheque for 387*l.* 10*s.* in payment. During the night, however, the duty on saccharin was increased by 3*l.* per lb., and defendants refused to send the parcel to plaintiff unless he paid the additional duty, which he declined to do. In order to fulfil his own contracts plaintiff had to buy elsewhere, and now claimed 93*l.* 15*s.*, the difference in the market price at Liverpool. The defence was that the contract was subject to the stipulation that any increase in the duty should be paid by the buyer, and, in answer to Judge Thomas, defendant admitted that he was not affected by the increase. In giving judgment for the plaintiff for 75*l.*, his Honour said if there had been any such stipulation as alleged by the defendant he would have been an intending profiteer to the extent of the increased duty.

Vacuum Patent.—A petition by Professor Sir James Dewar, F.R.S., for the extension of Patent 13,638 of 1904, "An improved method of absorbing gases, and the application thereof to the production of high vacua and the separation of gases," was heard on June 5. Judgment was delivered this week by Mr. Justice Sargant. It was found that the method of using the absorptive power of charcoal for maintaining vacua in metal vessels was an invention of great merit, and the Judge said that, in his judgment, the petitioner had made out a case for the extension of his letters patent for a period which he fixed at five years from the expiration of the original patent, the form being that of a grant of new letters patent. But, in view of all the circumstances, and particularly of the fact that neither the petitioner nor any assignee or licensee has hitherto established any manufacture in this country, and of the desirability that such manufacture should take place as speedily as possible, he thought that the grant to the petitioner should be on terms providing that he be bound to grant to any persons approved of by him or by the Board of Trade, and from the date of the commencement of the patent or any later date (and therefore possibly retrospectively), licences to use the invention to such extent, for such purposes, with such restrictions and on such terms generally, as a duly qualified arbitrator appointed by the Board of Trade shall determine to be fair and reasonable. The opponents will, of course, be entitled to apply for such a licence in exactly the same manner and on the same footing as any other applicant. He declined to give them any preferential rights, either as to being relieved of obtaining the approval of the Board of Trade or as to setting off against royalties under any licence any part of the 1,000*l.* paid by the German manufacturers to the petitioner that is alleged to have been provided by the opponents. It has been held, obviously quite rightly held, that the petitioner's bargain was with the German firm only, and that he is entirely unaffected by any sub-arrangement that the opponents may have made with that firm.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

BRITISH CREAMERIES, LTD. (P.C.).—Capital 100,000*l.* Takes power to carry on among other businesses those of chemists and druggists. R.O., 29 Great St. Helen's, London, E.C. 3.

LONABARC TRADING CO., LTD. (P.C.).—Capital 500*l.* Objects: To carry on business as manufacturers, factors, exporters, and importers of and dealers in essential oils, colours, varnishes, textiles, linen, etc. R.O., 60 Fore Street, London, E.C.

JAMES ROSS & CO., PHILIPSTOWN OILWORKS, LTD. (P.C.).—Capital 200,000*l.* Objects: To take over and develop the business carried on by James Ross & Co., Philipstown Oilworks, at Philipstown, Linlithgowshire. R.O., Philipstown, West Lothian.

OAKS CHEMICAL CO., LTD. (P.C.). — Capital 20,000*l.* Objects: To acquire from Hy. Ellison, Ltd., leasehold property known as New Oaks Colliery, Ardsley, and to carry on the business of manufacturing chemists, etc. R.O., Ardsley, Yorks.

LA COMPAGNIE SOCIÉTÉ PROVENCALE D'ALIMENTATION, LTD. (P.C.).—Capital 12,000*l.* Objects: To carry on business as wholesale and retail grocers, chemists, druggists, dealers in foreign and colonial produce, etc. Solicitors: Taunton & Co., 9 Fleet Street, London, E.C. 4.

PARKE'S DRUG-STORES, LTD., announce the payment on June 29 of the interim dividend on ordinary shares for the half-year ended March 31 at the rate of 6 per cent. per annum, free of income-tax.

HOOPER, STRUVE & CO., LTD.—By direction of the Public Trustee, as administrator of the estate of the late Colonel Clifford Probyn, H. E. Foster & Cranfield will sell by auction during July the whole of the issued capital of 100,000*l.* (with the exception of a few shares) in the old-established business of Hooper, Struve & Co., Ltd., London and Brighton, chemists and manufacturers of mineral waters.

MAGADI SODA CO., LTD.—The report for 1917 shows a debit balance of 16,771*l.*, increasing the debit to profit and loss brought down to 51,945*l.* Volume of trading shows some expansion, but was again on a very restricted scale; consequently the directors have not been able to make any allowance for depreciation. During the year the company continued to experience serious difficulties in regard to developing its trade, and it was not until towards the close of 1917 that the restrictions on the utilisation of native labour were sufficiently removed to allow of the production and constructional work being proceeded with.

A. J. WHITE, LTD.—The report for the year ended March 31, 1918, states that the net profits amount to 17,624*l.* 4*s.* 7*d.* Owing to the war no credit has been taken in this year's accounts for sales made during the year by the agency at Lille, France, nor have any expenses been charged in connection therewith. With the exception of the French branch the company's business at all points continues to be thoroughly sound and healthy, and the volume of business done at the head office and branches has been well maintained. After bringing forward 24,221*l.* 9*s.* 4*d.* from last year's accounts, and paying the interim dividend No. 9 in December last amounting to 6,000*l.*, there remains a balance of 34,845*l.* 13*s.* 11*d.*, out of which is recommended the payment of a final dividend of 3 per cent., making 5 per cent. for the year, leaving a balance of 26,845*l.* 13*s.* 11*d.* to be carried forward.

THE "SANITAS" CO., LTD.—Report of the directors for the year ended March 31, 1918, states that, "notwithstanding the continued difficulties imposed by the prevailing war conditions, the company's business has on the whole been well maintained. The directors have to report with deep regret the death of Mr. R. C. Woodcock, who was connected with the company for many years, and who had served as a director since March 1907. The balance to credit of profit-and-loss account, including the amount brought forward from last account, amounts to 21,062*l.* 9*s.* 5*d.* From this sum 4,578*l.* 15*s.* has been paid as interim dividend, leaving, after payment of income-tax, a balance of 11,243*l.* 5*s.* 1*d.* The directors recommend the payment of a final dividend of 4¼ per cent., less income-tax (making, with the interim dividend already paid, a total distribution of 8 per cent. for the year), to place to reserve the sum of 2,861*l.* 1*s.* 6*d.*, and to carry forward a balance of 3,192*l.* 18*s.* 7*d.* Mr. R. M. Cunningham retires from the board in accordance with the articles of association, and, being eligible, offers himself for re-election as an ordinary director."

Births.

HEWERDINE.—At 17 St. Edward Street, Leek, on June 23, the wife of Walter H. Hewerdine, chemist and druggist, of a daughter.

O'DRISCOLL.—At East Lodge, Kildare, on June 2, the wife of John J. O'Driscoll, Ph.C., of a son.

Marriages.

KINCAID—LIEBENBERG.—At Johannesburg, on May 8, by special licence, Sergeant-Major Alexander Kincaid, Ph.C.I., to Christina Jacoba Liebenberg, Doornfontein.

TURNBULL—DICK.—At St. Mary's Parish Church, Bellevue, on June 18, by the Rev. A. Fiddes, B.D., Robert Turnbull, chemist and druggist, West Hartlepool, to Louise May Campbell, daughter of Mr. Thomas Dick, Edinburgh.

Silver Wedding.

CHAPMAN—MILWARD.—At Edgbaston Parish Church, on June 22, 1893, by the Rev. Cresswell Strange, assisted by the Rev. W. B. Wilkinson, Thomas William Chapman, to Amelia Gertrude Jane (Gertie), second daughter of Mr. Richard Joseph Milward, Sefton House, Bristol Road, Edgbaston.

Golden Wedding.

WHITCOMBE—MARSHALL.—At the Parish Church, Rogate, on June 29, 1868, by the Rev. J. Barrow, Vicar, Charles Whitcombe, chemist and druggist, Petworth, to Sarah Rebecca Marshall, Mizzards Farm, Rogate.

Deaths.

CHALMERS.—On June 16, Mr. Franklin Chalmers, chemist and druggist. Mr. Chalmers was for seventeen years dispenser to the Worcester Amalgamated Friendly Societies' Medical Association.

FREER.—On June 12, suddenly, after an operation for appendicitis, Mr. William Freer (Freers, disinfectant-manufacturers, etc., Leadenhall Street, London, E.C.).

KIRKPATRICK.—The funeral of the late Mr. James Kirkpatrick, chemist and druggist, who died on June 18 (*C. & D.*, June 22, p. 39), took place at the City of London Cemetery, Little Ilford, E., on June 24. Mrs. Kirkpatrick (widow), Miss M. M. Kirkpatrick, chemist and druggist (daughter), Lieutenant H. Kirkpatrick, Seaforth Highlanders (son), and Mr. L. A. E. Kirkpatrick, chemist and druggist (son), were present, and there was in addition a large attendance of chemists and other friends, including the following: Messrs. H. Skinner (Council of the Pharmaceutical Society), G. D. Bowie and H. G. Mumford (Progressive Pharmacy Club), A. Catto (Vice-President West Ham and District Association), W. Potter (West Ham Pharmaceutical Committee), J. Humphrey (South-Western Association), C. A. Noble (President Western Association), J. C. Carter (North London Association), A. R. Keith (East London Association), T. England and T. H. Leed (Essex Association and Essex Pharmaceutical Committee), Lieutenant Pratt (United Arts Rifles), Mr. A. P. Barnard (London County and N.E. London Pharmacists' Associations), and the Chairman and Clerk of the West Ham Insurance Committee. Among the many floral tributes were wreaths from the Progressive Pharmacy Club, the North London Association, the West Ham Association, and the West Ham Pharmaceutical Committee. Mrs. Kirkpatrick and family desire us to thank the many friends who have sent expressions of sympathy: so many letters have been received that it is very difficult to acknowledge them individually.

PICKARD.—At 168 Great Clowes Street, Broughton, Salford, on June 16, Mr. Francis Pickard, chemist and druggist, aged seventy-seven.

PLIMMER.—At Combe Bank, Sevenoaks, on June 22, Mr. Henry George Plimmer, F.R.S., F.L.S., F.R.M.S., M.R.C.S., Professor of Comparative Pathology at the Imperial College of Science, London, S.W., aged sixty-one.

RIDDLE.—At 13 Village Terrace, South Shields, on June 8, Mr. James Pearson Riddle, chemist and druggist, aged sixty-two.

ROSE.—At Marseilles, O.F.S., on June 6, Jeanie Booklass, wife of Mr Alexander S. Rose, chemist and druggist, Ladybrand.

TAYLOR.—On June 14, Mr. Thomas John Taylor, chemist and druggist, 43 Warrington Road, Platt Bridge, Wigan, aged forty-three.

TOMPKINS.—On June 23, after a short illness, Mr. James Tompkins, managing director of James Tompkins, Ltd., indiarubber manufacturers, City Road, London, E.C., aged sixty-seven.

Died on Service.

COZENS.—Private William E. Cozens died in France on March 24 of wounds received on service, aged twenty-nine. In civil life Private Cozens was an assistant in the drug department of the Home and Colonial Stores, Edgware Road, London, W.

DENNIS.—Sergeant George Dennis was killed on May 27 while on duty at a dressing-station. Sergeant Dennis, whose home was in Norwich, passed the Qualifying examination in 1913.

MATHEWSON.—Lance-Corporal David Cowan Mathewson, Royal Scots, has been killed on active service. Lance-Corporal Mathewson was the eldest son of Mr. David Mathewson, chemist and druggist, Blackhall.

PARKER.—Corporal Parker, York and Lancaster Regiment, is officially reported killed on active service. Till his enlistment Corporal Parker was an assistant at the Malton branch of Taylors' Drug Co., Ltd.

TAYLOR.—Second-Lieutenant Robert F. Taylor, Gloucestershire Regiment, died in Italy on June 23 from wounds received on service, aged twenty-five. Second-Lieutenant Taylor served his apprenticeship in pharmacy with Mr. H. Oldham, chemist and druggist, Morecambe. He had been in Italy for six months.

Personalities.

MR. A. GLASS (representing Johnson & Sons (Manufacturing Chemists), Ltd., London, E.C.) has removed to 15 Balham Park Road, Balham, London, S.W. 12.

TO COMMEMORATE the completion of twenty-one years' service with the firm, presentations of clocks have been made by Burroughs Wellcome & Co. to Mr. Frederick Hutt, of the head office packing staff, and Mr. George Henry Lepper, night watchman at the "Wellcome" Chemical Works, Dartford.

WOR. BRO. FRED BASCOMBE, P.A.G. St. B., Secretary of the Galen Lodge, was invested Junior Warden of the Jubilee Masters' Lodge on June 21, and presented to H.R.H. the Duke of Connaught, Grand Master, Master of the Lodge. Earlier in the month Bro. Bascombe was also appointed Senior Deacon of the Dorset Masters' Lodge.

AMONG THE MINIATURES in this year's Royal Academy Exhibition are three (Nos. 964, 989, and 1033) by Miss Ethel Constance Brisley, eldest daughter of Mr. George Brisley, chemist and druggist, Bexhill, whose second daughter, Miss Joyce Lankester Brisley, also appears (No. 1128) as a miniaturist. Miss E. C. Brisley has exhibited previously at the Royal Academy.

MRS. HENRY M. LLOYD, Victoria Street, Merthyr, has been awarded the "Médaille de la Reine Elisabeth," accompanied by a gratifying letter, in recognition of valuable assistance rendered to Belgian refugees and soldiers. Mrs. Lloyd is the wife of Councillor Lloyd, chemist and druggist, who was Mayor of the borough in 1914. She is prominently identified with social and musical activities in the locality, and is an accomplished pianist.

WHEN REFERRING in the *C. & D.*, June 15, p. 44, to the appointments in the Order of the British Empire, we omitted to include among the chemists who have received that honour the name of Mr. W. Herbert Walden, Ph.C., Assistant Inspector of Medical Supplies at the War Office, who received the M.B.E. Mr. Walden served his apprenticeship with Mr. H. Humphry, Dartmouth, and was then an assistant with Mr. Stewart Hardwick, Bournemouth. He passed the Minor in 1891 and the Major in the following year. Then, after a short time with Savory & Moore, New Bond Street, London, W., he in 1893 took up the position at the War Office, which he now occupies. The conferment of the M.B.E. on Mr. Walden is thus not only an honour to a distinguished pharmacist, but indirectly a compliment to pharmacy.

PHOTOGRAPHIC FILMS.—The shortage of supplies of photographic films of home and foreign manufacture, especially the smaller sizes, continues to be acutely felt. Camera enthusiasts on the look-out for films frequently hear the remark, "Very sorry, we are completely out of stock." Not a few photographic chemists display notice-cards to this effect prominently in their windows or on their counters.

Trade Notes.

PRICE INCREASE.—Glaisyer & Kemp's Throat Pastilles—past. menthol. co.—have been advanced in price to 1*s.* 3*d.*

FRANCIS NEWBERY & SONS, LTD., Charterhouse Square, London, E.C., are closed for stocktaking on June 27, 28, and 29.

LOSALL'S SALT.—The 1*s.* 6*d.* tins of Losall's salt are not at the present obtainable, but the manufacturers, Lofthouse & Saltmer, Ltd., Hull, are able to supply the 9*d.* tins and the 2*s.* bottles. Particulars are given in the company's advertisement in this issue.

HAZELINE SNOW IMITATED.—The sale of a Japanese imitation of Hazeline Snow, which was being sold in China, has been stopped by a Proclamation of the Chinese Republic. Interesting particulars about this counterfeit preparation are given in the advertisement of Burroughs Wellcome & Co. in this issue.

BISHOP'S SALINE.—Alfred Bishop, Ltd., manufacturing chemists, Speck's Fields, 48 Spelman Street, London, N.E. 1, find that a misapprehension exists in the trade that there has been an advance in the price of Bishop's Natural Fruit Saline. There has been no advance, the price remaining at the face-value, 1*s.* 9*d.* (P.A.T.A. protected), and the wholesale at 15*s.*, with discounts on 5*l.* lots.

SOUTHALL'S TOWELS.—Southall Bros. & Barclay, Ltd., Birmingham, announce in their advertisement in this issue that they have introduced a new style of sanitary towel, known as Southall's "Y.W." sanitary towel. The new towel is made without sewing or rings, and is thus produced with less labour than the ordinary sanitary towels. Particulars are also given regarding the adaptable suspender which is used with it. The "Y.W." towels sell at 1*s.* 3*d.* per packet of a dozen.

BURGUNDY MIXTURE.—Tomlinson & Hayward, Ltd., agricultural and horticultural chemists, Lincoln, call attention to the Eureka Burgundy mixture for potato-spraying, which they sell in packets and bags. The packets contain 1 lb. and 2 lb., and the bags 28 lb., 56 lb., and 112 lb. The Burgundy mixture is in the form of a dry powder, which, mixed with the stated amount of water, forms the standard solution recommended by the Board of Agriculture. Chemists will find this a handy form in which to sell the ingredients, as the proportions being fixed there is no fear that the customer will make a mistake in compounding.

"MEND-A-TEAR."—We referred some time ago to the introduction of "Mend-a-Tear" by the Leicester Rubber Co., Ltd., Granby Mills, Leicester, an ingenious method of patching torn clothing, etc. Despite the difficulties associated with war-time the company report that progress has been made in introducing the article to the drug-trade. Advertising matter of various kinds has been produced for the purpose of popularising "Mend-a-Tear," and chemists are invited to write to the company for a supply. "Mend-a-Tear" is quite suitable as a side-line for chemists, and the public should be taught to look for it in pharmacies.

REGINA SHAVING-STICK.—We have this week had an opportunity of testing the quality of Regina shaving-stick, which is one of the special products of Price's Patent Candle Co., Ltd., Battersea, London, S.W. 11. The lather obtained with the shaving-stick is compact and lasting, and the skin of the face is left in such a condition that one does not remember that it has been subjected to the combination of soap and razor. Price's have drawn attention to the soap in a recent advertisement in the *C. & D.*, and to the profit which it yields to the retailer. The company are desirous of giving particulars as to terms, and invite inquiries from chemists.

HARRINGTON'S INFANT SPECIALITIES.—National Baby Week begins on July 1, and during that time the public attention will be specially fixed on matters of child welfare, and particularly the means for conserving infant life. Chemists who have taken up the sale of Harrington's infant specialities, which include nursery squares, can help in this welfare work by making displays of these goods. F. Newbery & Sons, Ltd., Charterhouse Square, London, E.C. 1, who are the wholesale agents for the drug-trade, are ready to supply attractive showcards for the purpose, and as we have stated, the goods are packed in such a superior manner that when shown in high-class pharmacies they sell at sight.

CANADIAN SPHAGNUM MOSS.—Since the beginning of the war the demand for sphagnum moss for surgical dressings has increased to such an extent that the Canadian Red Cross Society has decided to start production of the moss, which is one of Canada's natural resources, on a large scale.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," May 29, 1918.)

"VADEROL BRAND MEDICINE"; for medicinal chemicals (3). By Plet & Drouet, 3 Rue de Mesme, Bougival, France. 379,256.

Device of dragon on pillar, and sun rays for all goods (3). By Fabrique de Produits Chimiques Brougg Société Anonyme, Aerauerstrasse 623, Brugg, Switzerland. 380,375.

"ASTRAX BRAND OINTMENT"; for ointments (3). By C. R. O'Carroll, 26 Main Street, Gorey, co. Wexford. 380,979.

"FERMENTOSE BRAND MEDICINAL PREPARATION"; for a medicine (3). By A. Brezet & Co., 145 Wool Exchange, E.C. 2. 382,127.

"PAXIDORM"; for all goods (3). By H. Jeffery, 8 Harp Lane, E.C. 3. 382,333.

Cube-shaped device bearing angel's head, goat, and word "CIBA"; for all goods (4). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 381,827. (Associated.)

"SUCLOUGHENE"; for oil and solvent compositions (4). By Suclough Co., 5 New Brown Street, Manchester. 381,898. (Associated.)

"AMULET"; for goods (8). By Lawrence & Mayo, 19 New Oxford Street, W.C. 1. 382,725.

"TEXETTE"; for surgical waterproofed dressings (11). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1. 382,558.

"PAYS LOINTAIN"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 15. 382,696.

"LINDOL"; for all goods (48). By A. Carreras, 207 King Street, Hammersmith, W. 6. 382,765.

(From "The Trade-marks Journal," June 5, 1918.)

"EXAFORM BRAND DISINFECTANT"; for sanitary chemicals (2). By Institut Séro Thérapique et Vaccinal Suisse Berne, 4A Laupenstrasse, Berne. 378,539.

"GABA"; for all goods (2), and for perfumery, etc. (48). By Gaba Aktiengesellschaft, Rudengasse 1, Basle. 381,690/693. (Associated.)

"BLIGHTY"; for chemicals (2) By the Mond Nickel Co., Ltd., 39 Victoria Street, S.W. 1. 382,735. (Associated.)

"TAYL-ZUP"; for medicinal chemicals (3). By H. L. Morgan, 2 Kingston Road, Shetty, Glam. 382,909.

"E O C" device; for optical instruments (8). By the Elliott Optical Co., 104 Great Saffron Hill, E.C. 1. 383,039.

"AMPSYRING"; for surgical instruments, etc. (11). By J. G. Gordon and E. E. Gumpert, 48 Mortimer Street, W. 1. 381,990.

"OCALO"; for all goods (42). By the Old Calabar Co., 27 Chapel Street, Liverpool. 381,386.

"SHUGGEE"; for all goods (42). By the Frankland Manufacturing Co., 22 Water Street, Liverpool. 382,394.

"SALTRATES," "SALTHATE," "SALTATE," "SALSATE," "SALCATE," "SELRATE," "SELTRATE," "SELRETIC," "REUDEL," "REUDOL," "RODELLE," "RUDAL," "ALKIA"; for mineral and aërated waters (44). By Saltrates, Ltd., 214 Great Portland Street, W. 1. 382,630/642. (Associated.)

"TOILOIDS"; for perfumery, etc. (48). By A.F.A. Chemical Co., Ltd., 19 Hand Court, High Holborn, W.C. 1. 382,152.

"RUNAWAY"; for soap (48). By Ogston & Tennant, Ltd., Wright Street, Renfrew. 382,526. (Associated.)

(From "The Trade-marks Journal," June 12, 1918.)

Device of torches and circle, and "MIDCO"; for goods (1). By Middlesex Chemical Co. (1917), Ltd., 304 West Ferry Road, Millwall, E. 14. 381,041; 382,473.

"A B C O"; for chemicals (1). By A. Brezet & Co., 145 Wool Exchange, E.C. 2. 382,124.

"COCKSURE EGG PRESERVER," with picture of hand holding egg ("Cocksure" disclaimed); for an egg preservative (2). By W. Jamieson and D. Tinman, 10 Jeffrey Street, Edinburgh. 381,640.

"POSEIDON," and device with letterpress in Norwegian; for a sea-sickness preventive (3). By Aktieselskapet-Viaticum, Asker-by-Christiania, Norway. 380,860.

"GABA"; for all goods (3). By Gaba Aktiengesellschaft, Rüdengasse, 1, Basle. 381,691. (Associated.)

Information Department.

INFORMATION WANTED.

112/33. "Cancerine."
109/29. Mohammed Cosmetique.
109/29. Dr. Gerard's regenerator
113/62. "M. & C." series of labels
113/73. Formalix compound
111/68. Ribbed glass funnels correct angle of 60°, suitable for filtration, makers
112/20. Anthropological instruments; Makers of.
117/23. Dent's toothache-gum (C. S. Dent & Son).

INFORMATION SUPPLIED.

"Antiphlogistine," 97/10, 112/65, and 93/20
"Aroticanus" flesh-preserving fluid, 101/33
Clarke's blood-mixture, 94/32
Cleaning pads, 65/11
Elixir Antiglaireux (Guillie), 76/73
"Esma" hair-lotion, 89/51
Granose biscuits, 98/46
Hall's wine, 93/20
Hedley's ethyl chloride, 102/12
Honey-sugar, 71/34 and 73/26
Lactobacilline powder and tablets, 76/733
"Liqufruta," 70/6
Liquor novo-zirol, 68/67
Liquor sedans, 85/34

Observations and Reflections

By Xrayser II.

Between Mr. Body and Jay Mack

I may appear to stand between the devil and the deep sea, but the appearance is deceptive and due entirely to the extreme views and over-vehement expressions of these advocates. As I have already said, there is no real antagonism between their respective ideals. There is room in pharmacy for both, and the *via media* is the way of safety for most of us. The irony of the situation is that this is virtually admitted on both sides; Mr. Body is a druggrocer, and Jay Mack admits that science, though it does not "fill the bill," is an indispensable feature of our business. Why, then, can we not agree to leave things as they are, and let the harmless, necessary chemist and druggist ply his double function in peace? Why cannot the Ritualist and the Evangelical forget their doctrinal differences and work amicably together in the broad bosom of their common Church? Well, possibly it is best, after all, that they cannot. A competition of ideals may be as salutary in effect as competition in any other sphere, and Mr. Body and Jay Mack, by each pushing his own nostrum, may infuse new vigour into the whole body politic. It is, however, a mistake for either of them to decry and depreciate the other; they are both right in what they affirm, both wrong in what they deny.

Mr. Ridyard,

in his letter on Military Service, confuses strategy with tactics. Strategy is for the headquarters staff alone, tactics are for the staff in the actual field of battle. The confusion of the two is common enough, and to it are due some of the difficulties in which individual pharmacists find themselves. The true strategy for us is undoubtedly to insist upon our statutory and professional obligations, and to ignore all personal and purely business hardship. There is only one body that can with due weight and generally accepted authority deal with the former; "decentralisation" here means weakness; the Pharmaceutical Society itself, as represented in its Executive, should act for us, and to it we should look. If we had local representation on the Council the tactical application of this principle of national service so far as pharmacy is concerned would be much simplified; each member of the Council could then act for his own district, whereas now this has to be done by imperfectly affiliated local bodies of less authority, or by individual pharmacists for themselves. The personal equation is thus given undue prominence, and the impression that we are shrinking from "equality of sacrifice" is created.

The Proprietor of a "Patent,"

or of anything else, has clearly no moral right to impose new conditions upon a dealer after the bargain between them is once completed, unless it were one of the conditions of the bargain that the dealer should submit to new conditions if required to do so. As between himself and the proprietor alone your correspondent is justified in refusing to raise prices, but there is another aspect of the question from which a different conclusion might be drawn. If the new conditions are accepted by the trade generally the individual who rejects them might be regarded as wanting in neighbourly feeling; he will occupy a somewhat invidious position—he becomes a "cutter," or at least an unfair competitor; and it might be argued that he ought to accept a trifling loss rather than break the golden rule of doing as he would be done by. This consideration should, I think, determine action in most cases, but there may be circumstances that would rob it of its force. Prices ought not be arbitrarily raised by the proprietor, and if there is no real occasion why they should be, such a practical protest as your correspondent would make might be justified on other than personal grounds.

"Strange that Honey

Can't be got without hard money," wrote Keats a hundred years ago. What he would say if he were writing now I can only conjecture, but, all things considered, the dearness of honey is not so remarkable now as it was in his day. I have been spending some weeks with a friend in the country, who has just set up a hive of bees, and have come to the conclusion that all country pharmacists might with advantage do the same. Just now bees are indeed very dear, and no adequate return for the outlay could be expected till next season. My friend's swarm (a small one) cost two guineas, and I have heard since of 50*s.* having been paid for a similar one; in pre-war times 7*s.* 6*d.* would have been a fair price. The total cost of a box hive with bees is now between four and five pounds in the neighbourhood in which I write, and the year's return of honey will not be more than from twenty to thirty pounds in addition to what the bees will require for their winter food. An expert tells me that in a month's time swarms will be much cheaper, but they will then hardly make enough honey for their own winter use, and sugar cannot be got for them. Prospective bee-keepers (this man says) will probably do best by setting up a hive at the end of the summer and buying a swarm as early as possible next year. An old adage says: "A swarm of bees in May is worth a load of hay; a swarm in June is worth a silver spoon; a swarm in July is not worth a fly." At present prices of honey bees should be (and are) very profitable indeed, but there is, of course, the possibility of disease to be considered.

The Autobiography of Sir John Bramston

the younger (1611-1700) contains some interesting details of the medical practice of his day—particularly in the account given of his daughter Abigail's last illness. This lady, who died in 1694, apparently from cancer, in her fifty-seventh year, was for two years previously attended by a succession of the most famous practitioners of the time, Dr. Lower, Sir Thomas Millington, Sir Charles Scarburgh, Dr. Gibbons, Dr. Radcliffe, and half a dozen more, and "used fower several apothecaries"—"Dr. Lower, his apothecary," whose account was a small one; Mr. Chace, who charged 30*l.*; Mr. Soame, 20*l.*; and Mr. Pierce, who in nine months ran up against her a bill for 130*l.* 7*s.* 6*d.* Multiply these figures by three to bring them to present value, and there is no wonder Sir John found his daughter's illness "very chargeable." She had no lack of medicines, including, we are told, "all waters, the Spaw, all the purginge waters in England (that is, about London and the Bath too), syrup and decoction of steele, the elixars and bitter wines, *Mercurius dulcis*, laudanum, and all the opiats, asses milk and zago"; but in spite of all she wasted away and died. Her pains were variously attributed to cholic, imposthumes, an internal ulcer, stone in the kidneys, and consumption of the lungs; and her father not unnaturally concluded that none of her physicians knew what her disease really was.

William Harvey,

the discoverer of the circulation of the blood, figures pleasantly in these memoirs. Sir John, when a young man, consulted him for a gouty disorder, for which he had been recommended to try the Bath waters. Harvey said that Bath "was a fine place and there was very good company there." "But," asked the patient, "will it cure me?" to which the reply was that if he continued to drink wines and strong waters he would have gout whether he went to Bath or not. A friend objected that Harvey had been half starving himself for twenty years and was still a sufferer from gout, and Bramston, in his own pithy language, concluded that "if to fast and have gout be all the same as to eate and have gout, I will do as I have done." He adds that by the blessing of God he was free from the complaint for fifty years afterwards. One of the most astounding cases of blood-letting I remember to have met with is that of one of his grandchildren, who was bled by leeches when only eight days old, and died the same day.

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Editorial Articles.

Chemists' Military Service.

As a topical subject the question of military service for chemists is easily first. We have had a large number of inquiries on various points connected with this matter, and have endeavoured to explain how matters stand. Probably the most difficult to deal with satisfactorily are those cases where chemists, having submitted themselves to medical examination and applied to the Tribunal for exemption, are required to undertake Volunteer work or employment on the land. In the first place the submission to medical examination should have been avoided in England, as it brings with it the sequel of an application to the Tribunal for exemption. It is possible that some Secretaries of Pharmaceutical Committees have not altogether grasped the instructions they have received from headquarters or have not correctly communicated them to local chemists who come within the new military age. The exemption of chemists of particular ages under the arrangement with the Ministry of National Service is a recognition that by continuing the dispensing for the nation chemists are undertaking a national service, and to impose further national service in the shape of Volunteering or farming is a failure to recognise the basis of the chemists' exemption. We are aware that under the Military Service (No. 2) Act exempted persons are automatically required to undertake work of national importance unless specifically excused by the Tribunals,

but it is inconsistent with the nature of chemists' work, and the reason for the exemption of chemists, to hold that they must do further work of national importance. However, the point which we have had put before us is what is to be done when the Tribunal and the Appeal Tribunal order a chemist to undertake Volunteering or farm work. The only method that we can see is to apply for a re-hearing of the case at which the Secretary of the Pharmaceutical Committee should be present to supply the details of the circulars and instructions that have been issued in regard to chemists. The Secretary of the Pharmaceutical Committee, if in doubt, should apply for further instructions from the Pharmaceutical Advisory Committee, but it is his duty to safeguard the pharmacy service in the area, and this cannot be done if the qualified chemist is absent from his pharmacy during the busiest time of the day. It is interesting to find that in this matter of medical examination the agreement arrived at in Scotland between the Ministry of National Service, the Insurance Commissioners, and the Pharmaceutical Advisory Committee (Scotland) provides that all dispensing chemists and their assistants of military age shall submit themselves for medical examination, the object being to obtain definite information as to grading. It has been arranged, however, that the requirement that graded men shall apply to the Tribunal within seven days for exemption shall not apply in the case of chemists and other dispensers. When these chemists are called for military service at any future time they may then apply for exemption to the Tribunal. The age limits and grades which have been agreed upon are otherwise the same as in England (*C. & D.*, June 15, p. 44). A useful example of what can be done in organising a local area is afforded by the report of the Clerk of the Glasgow Insurance Committee, who has considered the matter at the request of the Insurance Commissioners. It is found that on the basis of the requirements of the Ministry of National Service sixty-one shops out of 221 in the area will have to close. We also gather from the report that the Insurance Commissioners suggested that the chemists released from military service should only be employed in dispensing drugs and medicines. This proposal is shown in the report to be unworkable, especially in view of the definition by the Commissioners of prescription—doctors' written prescriptions and repeats. The statistics collected by the Clerk of the Glasgow Insurance Committee demonstrate that family practice and counter-prescribing form a considerable part of a chemist's business, and that to discard these would add very much to the burdens of the medical profession, who already complain of being overworked. It appears that during the year 1917 378,033 prescriptions were dispensed in the Glasgow area for the first time and 492,318 repeats. The Insurance prescriptions are fewer in number than the private prescriptions. The average number of prescriptions per day for each dispenser is worked out at 11.4, and if shops are closed this proportion would be increased. Whether a business which confined itself to dispensing could be made to pay is a pertinent inquiry made at the end of the report. The fact is, the Insurance Commissioners both in Scotland and in England are posing as authorities on pharmaceutical matters on the strength of the Insurance dispensing which is carried on in the pharmacies of panel chemists, whereas the Commissioners are only theorists and appear to be unaware that Insurance dispensing is only a small part of the drug-trade of the United Kingdom. Another matter which has arisen in connection with the conscription of chemists is the question of compensating conscripted chemists and managers by those who remain. In some parts of the country chemists have had submitted to them schemes for compensating chemists whose pharmacies will have to be closed owing to the owners joining the Forces, and also for maintaining the homes of qualified managers who are required to join up. It is recognised that the number of chemists of military age who are left is, in most areas, now so small that it is doubtful whether adequate pharmaceutical service can be maintained, and on this account it is thought that the amount to be contributed will be small. The schemes referred to are sometimes put forward as a method by which chemists who have been exempted from military service are made to compensate chemists who have joined up. The basis of contribution is fixed generally according to the rateable value of the premises in which the chemists carry on business. Our own view is that the Civil Liabilities Commissioners should take action first in all these cases, as the matter is a national and not local affair. The local chemists would no doubt in suitable cases supplement the grant from the Civil Liabilities Commissioners, or obtain grants from the fund which the Pharmaceutical Society may organise for the re-establishment of chemists whose businesses have suffered from the fact that the owners have joined the Forces. Some of our readers are placed in a difficulty in accepting the schemes, not because of their unwillingness to assist their fellow-chemists, but from the fact that the liability is unlimited. An endeavour should be made to raise definite sums for stated periods, and as a basis we think that the amount granted by the Civil Liabilities Commissioners, who have studied each case on its merits, is the best to start from.

The Castor-oil Industry.

Since we referred to the introduction of neutralised seconds castor oil for pharmaceutical purposes in our issue of April 13 (p. 42), we understand that in the aggregate fair quantities have been released by the Castor Oil Committee on the rationing principle, but the quantities so rationed have been insufficient to meet the ordinary requirements of wholesale druggists, and at the present time it is difficult to say when normal supplies will again be available, while there seems practically no hope of receiving the finest water-white medicinal or pharmaceutical quality at least for the duration of the war, as the Government take all they can get. At the same time the pressing of castor oil in this country was never larger than it is now, and the production has long ago exceeded the pre-war output. The demand for Government purposes has never been so urgent as now, but it is satisfactory to know that it is being met by the Hull pressers. The home production is now said to average from 3,500 tons to 4,000 tons per month, and practically all this is being used for the lubrication of aeroplane engines, motors, etc. Prior to the war our home production had reached from 15,000 to 20,000 tons per annum, but it fell under 10,000 tons in 1915, since which time it has gradually improved, as exceptional facilities have been accorded for importing castor-seed from India, the chief source of supply. An enormous demand has also developed for castor oil in the United States, which has had to be partially met from this side, but now efforts are being made in the Southern States and the Pacific Coast to plant the enormous acreage of 200,000 acres with Indian seed, and contracts have been made by the Government to give the growers $3.00 to $3.50 per bushel. A compilation made by the National City Bank of New York shows that the production of castor oil in the United States previous to the war was valued at over one million dollars annually, much of the output being produced from Indian seed. Formerly the United States produced considerable quantities of castor-seed, but when the petroleum industry produced a more satisfactory lubricating-oil at a much lower cost the castor-oil industry declined. In 1916, when the importance of the oil for aeroplanes began to be recognised, 1,035,000 bushels of seed were imported and 1,041,000 bushels in 1917, compared with 814,000 bushels in 1913. Germany, anticipating the war, doubled her imports of castor seed and castor oil in 1913, and the first half of 1914, and the total exports of castor oil from India rose from 898,000 gals. in 1914-15 to 1,723,000 gals. in 1916-17, while the quantity of seed exported also increased during the same period. No figures are available as to the actual quantity of castor oil produced in India. This exportation of a million to two million gallons from India forms a comparatively small proportion of the

output, as it is still used in that country as a burning-oil for lamps, also as a lubricant, and in the manufacture of leather. The chief importers of the oil and seed from India prior to the war were Great Britain, United States, France, and Germany. At present the entire available supply of both seed and oil go to Great Britain and her Allies. Other countries which have developed production are China, Indo-China, South Africa, and especially Brazil (Sao Paulo), where the plant grows rapidly wherever introduced, having been before the war looked upon as a common weed, and consequently despised. Now agriculturists in many parts of Brazil are increasing planting as rapidly as possible, and this is true of other castor-seed producing countries, including the West Indies, where 100,000 acres have been planted with seed from India. Some interesting notes on this extended cultivation occur in the "Agricultural News" of Barbados of April 6, the main points of which are that "owing to the increased demand for the oil obtained from the seeds many planters are now considering the advisability of growing this crop on an extended scale. The first step in any proposed set of experiments would be to collect as many different varieties as possible, and test them comparatively under the particular environmental conditions with which the experimenter is concerned." It is pointed out, what is perhaps not generally known, that there exists in the West Indies an enormous number of morphologically different types of castor-oil plants, which would probably be found to vary very widely in characters of commercial importance, such, for instance, as types whose seeds are not easily freed from the husk, and, on the other hand, some that are too readily freed, with their consequent loss by the shedding of the seeds on the ground. Many of these forms are easily distinguished by the fruits, some of which are covered with strongly developed spines, while others are comparatively smooth. It is stated that at the St. Vincent Experiment Station a hybrid has been raised between a native type of *Ricinus* and a new garden plant *Ricinus Gibsoni*. It will be interesting to know whether the result of this may be the production of a new source of oil. It would therefore appear that in course of time it will be possible to again obtain medicinal quality in normal quantities.

Restricting the Sale of Acetanilide.

THE proposal of the Privy Council to place acetanilide among the mineral acids and other household poisons included in Section 5 of the Poisons and Pharmacy Act, to which we referred in the *C. & D.*, June 15, p. 43, has aroused opposition from manufacturers and retailers of proprietary articles containing that substance. The Proprietary Articles Section of the London Chamber of Commerce has considered the matter this week, and agrees in principle that it is unnecessary to alarm the public by affixing the word "poisonous" to an article of very wide use and where fatal accidents are much less frequent than they are with several other popular drugs. The quantity of acetanilide used in this country is very large, but no exact figure can be given as the imports were entered as "unenumerated chemicals." Since the outbreak of war the United States and Switzerland have been the chief sources of acetanilide used in this country, but official statistics of exports from these countries are not separately recorded. Those in a position to judge estimate the quantity annually imported into Great Britain at between 30,000 lb. and 50,000 lb., of which a certain proportion is re-exported. In the *C. & D.*, March 14, 1914, we gave the German official statistics of exportations to Great Britain, which showed that in 1903 the figures were 6,700 kilos., or 14,656 lb.; in 1904, 8,500 kilos., or 18,600 lb.; and in 1905, 6,200 kilos., or 13,562 lb. In later years acetanilide and antipyrin were classed together. In 1905 the total exports from Germany amounted to 44,300 kilos., or 90,656 lb., valued at 3,550*l*. Japan has always been the biggest consumer of acetanilide, her imports in 1915 being 47,157 kin, or 62,876 lb.; in 1916, 77,171 kin, or 102,894 lb.; and in 1917, 77,085 kin, or 102,780 lb. Since the war began, however, the bulk of the imports has been drawn from the United States.

Spanish Influenza.

THIS is the name given to the form of influenza which is rife at the present time in London and other parts of the country. The symptoms that are most prominent are the feeling of great weakness, watery eyes, sneezing, and coughing. The ideal treatment is to go to bed and remain there until all the symptoms have disappeared, but those who are unable to carry out this ideal method are calling on the chemist for quinine or the popular quinine-and-cinnamon tablets. Antiseptic lozenges and the use of a weak solution of Condy's fluid as a mouth-wash or throat-spray are stated by Sir Arthur Newsholme, Chief Medical Officer to the Local Government Board, to be the best prophylactic measures.

The Importation of Olive Oil.

THE demand for olive oil has caused importers to turn their attention to this product, and some have overlooked the fact that by the Oils and Fats (Requisition) Order, 1917, all olive oil arriving in this country after January 1, 1918, has to be placed at the disposal of the Food Controller. Mr. Alfred Mansfield, the Director of Oils and Fats, has issued a notice reminding importers that intimation of the expected arrival of shipments of olive oil must be made to the United Kingdom Oil and Oil-seed Brokers' Association, Ltd., 24 St. Mary Axe, London, E.C. 3. Forms obtainable from the Association, giving particulars of the oil, are required to be filled in. The supply of olive oil to the drug-trade is rationed on the basis of the supply during last year.

Excess-profits Duty and Sales of Trading Stock.

THE FINANCE ACT, 1918, to which the Royal assent has just been given, provides for an extension of the excess-profits duty, so that the tax will fall upon certain profits which have hitherto been exempt. Up to the present the duty had been charged only on excess profits arising from certain trades or businesses. Thus, prior to the Act, a profit made on the sale of a business, including the trading stock, of a chemist and druggist was not liable to pay excess-profits duty unless the person making the profit on the sale sold the business in the course of a trade or business carried on by him as his ordinary occupation. Now, by Section 33 of the Finance Act, 1918, excess-profits duty becomes chargeable on profits arising from the sale of trading stock, even when the sale does not take place in the ordinary course of trading. Trading stock for this purpose includes (*a*) any goods such as are sold in the ordinary course of a trade or business, and (*b*) any raw or other materials used in the manufacture or preparation of any such goods. The Act requires that any person who disposes of trading stock after May 14, 1918, otherwise than by way of sale shall first provide to the satisfaction of the Board of Inland Revenue for payment of any excess-profits duty which may be chargeable on the proceeds of the disposition. If he disposes of it without doing this, the transaction is declared void. Cases likely to arise in which liability to the duty will be incurred are (1) where the owner of a business sells the premises together with the trading stock all at, and (2) where the owner becomes bankrupt, and the business assets, including the trading stock, are sold all at by the liquidator. In either of these cases the Board of Inland Revenue is given power, subject to the owner's right of appeal, to fix how much of the whole price is to be assigned to the trading stock. The owner of the stock, whether he sells it himself or through a liquidator or other agent, is the person liable to pay the duty. An exemption is allowed in the case of testamentary dispositions. If trading stock is disposed of under a will, no excess-profits duty is chargeable on any profit made.

The Secretaryship.

MR. HUGO WOLFF, in his election booklet "The Future of Pharmacy," promised that if elected he would send to Secretaries of local Chemists' Associations a circular letter giving his view of the proceedings at the Council-meetings of the Pharmaceutical Society. The first letter which he has sent in conformity with this promise bears the date June 20, and is interesting on account of what is

stated regarding the secretaryship. Mr. Wolff says, referring to Mr. Glyn-Jones's letter (*C. & D.*, June 8, p. 46):

> As the letter clearly stated, Mr. Glyn-Jones requested that, as the Society's chief executive officer, it was his desire that the respective status and responsibility of Mr. Chater and Mr. Mallinson should be one of equality. This suggestion was not approved by the Council, but was not definitely rejected. In fact, the decision arrived at was that the discussion should be adjourned for one month. The general view was that Mr. Chater was such an old, valuable, and faithful servant that nothing should be done in a hurry that might in the future prejudice or weaken his position as Assistant Secretary. I fancy that Mr. Glyn-Jones read into that decision rather more than was intended, and that he felt that although he was going to be responsible for the working of the office, the disposal of his own staff would remain in the hands of the Council. No one could expect a man with such exceptional executive ability as Mr. Glyn-Jones possesses to accept a position under such circumstances. On the other hand, the Council have every right to refuse to arrive at a hurried decision, especially when that decision might weaken the position of one of the Council's most loyal servants. In my opinion a frank and friendly discussion at the next Council-meeting will clear the atmosphere, and it will then be found that there is not such a wide difference of opinion as one would think from the bare published report.

There seems to be a general opinion now that a way will yet be found by which Mr. Glyn-Jones's services will be retained for the benefit of the Pharmaceutical Society. One of our correspondents, referring to last Council-meeting, writes: "There is a great feeling of uneasiness among the local chemists over the Secretaryship, the opinion being that the time is too precarious to allow petty squabbles to take place; in fact, the general tone of the last Council-meeting was none too elevating."

Dispensing Charges.

IN view of the growing complexity of the regulations for dispensing cocaine and opium and the other drugs mentioned in the new Narcotic Drugs Order, it has been suggested that a special charge should be made for dispensing prescriptions to which these regulations apply. The severe penalties incurred by the slightest lapse from the regulations makes it necessary to spend much more time in supplying medicine containing ingredients which come within the Cocaine and Opium Regulations and the Narcotic Drugs Order—the dispensing department, one chemist informs us, is temporarily disorganised. It is suggested that 6*d.* or 1*s.* should be added to the ordinary charge for dispensing. The only objection is that it is not desirable to penalise members of the Forces who bring prescriptions containing ingredients the sale of which is restricted in the special manner, but, on the other hand, those holding commissioned rank over that of a second-lieutenant are probably in a position to meet the extra charge. We shall be glad to have the views upon this matter of any of our readers who desire to discuss the proposal.

Medical and Dental Registers.

THE Medical Register for 1918 has just been issued by the General Medical Council (10*s.* 6*d.*, Constable & Co., Ltd.). It contains the names of 43,819 medical men—an increase of 338 on the number at the end of 1916, and of 850 on the average for the last five years. Some 831 names have been removed for various causes since the beginning of 1917, this number being fifty-eight below the last five years' average. The various Acts of Parliament which regulate the practice of medicine in this country are given, together with cognate matters, at the beginning of the volume. The Dentists Register for 1918, also issued by the General Medical Council (3*s.* 4*d.*, Constable & Co., Ltd.), contains 5,524 names—an increase of twelve on the previous year's number. The additions by registration number 130, which is considerably below the average for the last five years. The percentage of persons registered as being in *bonâ-fide* dental practice at the passing of the Dentists Act, 1878, is 23.19.

Association Affairs.

Edinburgh.—The second botanical excursion of the summer session of the Edinburgh Chemists', Assistants', and Apprentices' Association took place on June 21. Despite unsettled weather a goodly company gathered at the Marchmont Road car terminus at 8.30 P.M. Under the direction of Mr. J. Rutherford Hill, Ph.C., the company proceeded round the base of the Blackford Hill and along the course of the Braid Burn, returning to the city by Nether Liberton. The weather fortunately remained good, and field work was busily engaged in till the failing light compelled suspension. On the motion of the President (Mr. Stout) a cordial vote of thanks was awarded to Mr. Hill. A list of the plants collected is kept for reference at 36 York Place.

Hampshire.—The quarterly meeting of the Hampshire Pharmacists' Association was held at the offices of the Insurance Committee, Winchester, on June 19. Mr. C. S. Davies presided, and referred to the great loss sustained by Mr. Bartlett (Vice-President of the Association and Chairman of the Pharmaceutical Committee), whose only son had recently been killed on the Western Front. A lad of brilliant promise, he had obtained his commission in the Royal Air Force. The President then mentioned the recent Council election, expressing regret that Mr. Ridyard had failed in his attempt, but hoping that he would be successful at the next election. He referred to Mr. Woolcock's resignation from the Secretaryship of the Pharmaceutical Society, and it was resolved to send Mr. Woolcock a letter of congratulation on his appointment as Secretary of the Association of British Chemical Manufacturers, and expressing appreciation of his services to local organisation. Mr. Davies also alluded to the election of Mr. Bilson, first President of the Association, as Treasurer of the Pharmaceutical Society. Mr. Bates (Southampton) then gave an interesting address on *Some Memories of the Past*, in which he described three well-known Southampton pharmacists who were prominent men of affairs fifty years ago. The first, the late William Randall, who succeeded to the well-known family business which was established in 1775, was a man of fine upright character, who carried on the business of a pharmacist in the highest possible style, worthy of comparison with such names as John Bell or Savory & Moore. William Randall died after fifty years of business life, greatly respected, but financially little better off than when he commenced. The late Robert Chipperfield was a man of frugal habits and saving disposition, whose dictum was that the aid to success was not what a man made but what he saved. These early habits enabled him to lay the foundation of a fortune amounting to 100,000*l.* at his death. Chipperfield was an artistic and literary character, and an excellent elocutionist: a fearless critic and correspondent to the "Times" and other papers, he was often brought into conflict with public men; an enthusiastic educationist, he made several endowments for educational purposes. The late John John, another man of frugal habits, was a keen business man, interested in many other businesses as well as pharmacy. He carried on successfully a wine-and-spirit business and an ironmonger's, besides being interested in farming, and like Chipperfield, left a large fortune. Mr. Bates, in conclusion, made reference to the late Mr. Wride, who succeeded to the business of the late Robert Chipperfield. A hearty vote of thanks was accorded to Mr. Bates.

Hull.—The Hull Pharmacists' Association met on June 11, Mr. L. S. Sellé presiding, when the Rev. L. J. Baggott gave a lecture on *Mendelism*, outlining the work of Mendel on the science of heredity and illustrating its effects on plants and animals. The subject proved highly interesting, and the lecturer was warmly thanked.

London (N.).—Owing to the abandonment of the annual outing of the North London Pharmacists' Association a reunion was held at the headquarters, the Progressive Pharmacy Club, on June 20. A concert had been arranged, in which Mrs. Noble, Mrs. Beckwith, and Messrs. Mason Blackburn, Gilmour, Keith, and Beckwith were the entertainers. The feature of the evening was the presentation of two books of war savings certificates to the Treasurer, Mr. H. G. Mumford, on his retirement from the office after five years of arduous work on behalf of the Association. The presentation was made by Mrs. Carter, the wife of the President.

London (S.E.).—The sixth annual meeting of the South-East London Chemists' Association was held at Maitland House, Greenwich, on June 18, Mr. A. J. Wing (President) in the chair, when it was decided to substitute the word "Chemists'" for "Pharmacists'" in the name of the Association. It was also agreed to raise the annual subscription

to 6s. The reports of the Treasurer and the Secretary were adopted, and the sum of two guineas was voted to the Pharmaceutical Benevolent Fund. Messrs. Sayers and Happold were appointed to represent the Association on the London County Executive with Messrs. Wing and Milner, who have seats on that body as members of the London Pharmaceutical Committee. The following were elected members of the Committee: Messrs. A. J. Wing, C. Happold, C. H. Siddle, J. Edwards, H. S. Foster, G. F. Egg, W. H. Brooks, F. W. Harris, J. Milner, E. E. Grimwade, J. Fothergill, J. Y. Fairweather, E. G. Price, W. T. Tucker, W. Ralph, W. E. Callam, J. E. Lockyer, W. C. Sayers, I. W. Green, A. W. Clarke, and H. P. Clarke. The auditor (Mr. W. A. Elkington) was thanked for his services and re-appointed. Messrs. Wing, Sayers, Happold, and Milner were appointed delegates to the British Pharmaceutical Conference.

London (S.W.).—The annual meeting of the South-West London Chemists' Association was held at Stanley's Restaurant, Clapham Junction, London, S.W., on June 25. The President, Mr. W. H. Goy, in an interesting valedictory address, gave an account of the work and progress of the Association since its formation six years ago. He also referred to the untimely death of Mr. James Kirkpatrick, at whose funeral the Association was represented by Mr. Humphrey, and congratulated Mr. Glew on his admission to the Order of the British Empire. The election of officers for the ensuing year then took place, and resulted as follows: *President*, Mr. John Humphrey; *Vice-Presidents*, Messrs. Glew and Atkins; *Secretary*, Miss Borrowman; *Treasurer*, Mr. Yeoman. The new Council includes Mrs. Freke and Mr. Wells. A proposal by Mr. Fairlee that chemists be asked to devote the receipts of their weighing-machines for one month to the St. Dunstan's Hostel Fund was received with enthusiasm, and many present undertook to act as suggested.

London (W.).—The Committee of the Western Pharmacists' Association met on June 12 for the election of officers for the ensuing year. The following were elected: *President*, Mr. C. A. Noble; *Vice-President*, Mr. H. S. Watson; *Hon. Treasurer*, Mr H. R. Procter; *Hon. General Secretary*, Mr. C. H. Hampshire; *Hon. Assistant-Secretary*, Mr. B. R. Wilkinson; *Hon. Social Secretary*, Mr. A. Latreille; *Hon. Trade Secretary*, Mr. P. S. Windwood.

P.A.T.A.—The annual report of the Proprietary Articles Trade Association, which is to be presented at the annual meeting on July 11, states that the year 1917 has been a busy one for the Association. Owing to the continuance of the war the cost prices of drugs and chemicals have kept continually changing—mostly in an upward direction. The consequence has been that proprietors have found themselves compelled, often at very short notice, to raise their prices all round both to the public and to the trade. One remarkable feature about these advances is that to a large extent the sales have been maintained, excepting where stocks have been short and manufacturers have had to ration their customers. Among the manufacturing members of the Association, probably the ones most to be condoled with are those whose business it is to supply toilet-articles containing spirit. Soap-makers and those whose goods depend on the supply of milk have also been hard hit, and deserve the sympathy of members. So much is it the fact that they have been upset by the shortage of materials and operation of Government orders, etc., that some of them have had for the present reluctantly to withdraw their goods from the P.A.T.A. list. The increase during the year in the membership of the Manufacturers' Section has been twelve, and in the Wholesale Section four. The membership of the Retail Section has reached the record of 5,381. The financial statement shows that the amount received in subscriptions was 3,056*l.* 15*s.*, and the interest on investments and deposits was 379*l.* 8*s.* 5*d.* During the year war stock was purchased to the amount of 427*l.* 10*s.*, and there was 835*l.* 14*s.* 3*d.* cash in the bank on December 31.

Sheffield.—The annual meeting of the Sheffield Pharmaceutical and Chemical Society was held in the Literary and Philosophical Society's Rooms, Mr. A. H. Culverhouse presiding. A vote of congratulation was passed to Mr. Currie on his election as President of the Pharmaceutical Society. The Sheffield teachers are promoting a scheme to federate the various Societies in Sheffield for the advancement of education, and it was decided to join the Federation, Mr. Culverhouse being nominated to represent the Society. The Council's annual report, which was adopted, recorded a most successful session, but expressed regret at the long-delayed issuing of the report on organisation by the Pharmaceutical Council. During the year there has been an increase of eight members and six associates. The balance-sheet shows a balance in hand of 16*l.* 15*s.* 8*d.* Congratulations were offered to Mr. Job Preston, who was one of the founders of the Society fifty years ago, along with Mr. A. J. Appleton, both of whom are still in active business. The election of the Council resulted in the return of Messrs. J. G. Jackson, H. G. Williams, C. H. Hewitt, H. Bown, J. A. Johnson, and E. H. Swift. Mr. J. T. Appleton and the Secretary of the Pharmaceutical Committee, on the invitation of the President, made a statement on the new regulations dealing with the recruiting of chemists, which showed that further sacrifices will have to be made. A vote of thanks was passed to Messrs. A. J. Appleton and H. Antcliffe for the steps they have taken in dealing with the matter; and the President and scrutineers of the voting were also thanked for their services.

South Wales Federation.—The annual meeting of the South Wales and Monmouthshire Pharmacists' Local Associations Federation was held recently at the Angel Hotel, Cardiff, Mr. Leo Joseph, J.P., presiding. The annual report and balance-sheet were presented and adopted. The officers were re-elected for the current year. Principal Coles, of the Cardiff Technical Schools, addressed the meeting on the question of a *Welsh College of Pharmacy*, and a Committee, composed of Messrs. Leo Joseph, Benson Harries, Henry H. Lloyd, Jas. Murray, Isaac E. Thomas, Oswald Davies, A. Hagon, and the Secretary, was elected to confer with Principal Coles and draw up a scheme for the proposed College.

West Ham.—An emergency meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists, on account of the lamentably sudden death of the President, Mr. James Kirkpatrick, was held at Earlham Hall, Forest Gate, on June 20, the ramble which had been fixed for that date having been abandoned. There was a large attendance of members. The Vice-President (Mr. A. Catto) occupied the chair, and in his opening remarks referred with evident emotion to the great loss the Association had sustained by the death of Mr. Kirkpatrick—a loss which would be felt generally in the ranks of pharmacy in this country on account of his untiring energy, which he devoted freely to the welfare of the craft. Mr. W. Potter, as his nearest neighbour, paid a high tribute to the late President, and said no other pharmacist had the welfare of chemists at heart to the same extent as Mr. Kirkpatrick. He also referred to the great zeal with which he interested himself in the fund for establishing a memorial to the men of the borough who have fallen in the war, and suggested that the most practical way of showing their appreciation of the valuable services rendered by Mr. Kirkpatrick was to subscribe handsomely to this memorial, which is to take the form of an additional wing to Queen Mary's Hospital. Mr. Rundle, on behalf of the Essex Pharmaceutical Association, referred to the late President's good qualities, and said he was the hardest-working pharmacist he had ever met. He set a fine example for all to follow. His rule was, Work, work, work, and his watchword, Forward. Mr. Soper said he met him on committees three times the week before he died, and referred to his force of character and kindliness. Mr. Lloyd and Mr. Miller also spoke feelingly in the same strain. A letter of sympathy was read from Mr. C. A. Clark, the Clerk to the West Ham Insurance Committee. Mr. Catto was appointed to represent the Association at the funeral on June 24. It was also agreed that a wreath should be sent.

Wills.

MR. JAMES HENRY STEDMAN, J.P., Great Plumstead House, Great Plumstead, who died on April 6, has left property of the value of 5,440*l.* 13*s.* 2*d.*

MR. HENRY ALFRED VORLEY, 2B North End Road, Golder's Green, secretary of John Gosnell & Co., Ltd., Blackfriars Road, London, S.E., who died on May 6, left estate valued at 1,324*l.* 0*s.* 4*d.* gross, with net personalty 1,199*l.* 3*s.* 9*d.*

MR. GEORGE FREDERICK KENDALL, Loxley Hall, Loxley, Stratford-on-Avon, and of F. Kendall & Son, Ltd., chemical-manufacturers, Stratford-on-Avon, who died on January 27, left 165,618*l.* 6*s.* 1*d.*, the net personalty being 158,895*l.* 17*s.* 3*d.* Among the bequests is 150*l.* to Gerald Evans, chemist, in the employ of the company.

MR. THOMAS PULSFORD SIMS, analytical chemist, 2 The Promenade, Mount Pleasant, Swansea, who died on December 20, 1917, left estate valued at 17,421*l.* 15*s.* 2*d.* gross, with net personalty 16,588*l.* 4*s.* 10*d.* The residue of his estate is to be applied by the Swansea Technical School for three two-year Scholarships, one for the best student in chemistry, one for the best metallurgical student, and one for the best student in modern languages for commercial purposes.

The Sale of Poisons in Great Britain.

By S. W. Woolley, Editor of "The Chemist and Druggist."

A lecture delivered before the Progressive Pharmacy Club on June 11, 1918

(*Concluded from p.* 493.)

Arsenic.

The definition of arsenic given in the Arsenic Act includes arsenious acid and the arsenites, arsenic acid and the arseniates, and all other colourless poisonous preparations of arsenic. Coloured poisonous compounds of arsenic are scheduled poisons under the Poisons and Pharmacy Act. If the word "arsenic" used in the Poisons and Pharmacy Act is taken to mean the element arsenium, there is no difficulty in the qualification "and its medicinal preparations." If arsenious acid alone were intended, the range of medicinal preparations would be narrower. Coloured arsenic salts which are not medicinal are brought into Part II. of the Schedule by the omnibus clause at the end of that part of the Schedule. Scheele's green (copper arsenite) is used as an insecticide, but a pure variety is employed in medicine, so that this compound may be in Part I. or II. according to the kind that is sold or the use which is to be made of it. Arsenic may never be sold uncoloured for agricultural purposes; it is only for other purposes that it may be sold uncoloured. The colourings prescribed are soot and indigo. Sodium arsenate, which is employed very largely in calico-printing, would be useless if mixed with soot or indigo. Ultramarine was found by Sir Thomas Stevenson to have been used as a colouring in a poisoning case he was investigating in 1904. The prescribed colouring matters being insoluble in water show that liquid arsenical weed-killers were not contemplated at the time the Arsenic Act was passed. It is advisable, however, to colour such liquids. Solid arsenical weed-killers consisting of a mixture of arsenic with sodium bicarbonate or hydrate should be coloured as preparations of arsenic coming within the definition of arsenic given in the Arsenic Act and coloured as directed. Arsenical fly-papers are in Part II. of the Poisons Schedule of the Poisons and Pharmacy Act, the reason being that they cannot be coloured in the manner contemplated by the Arsenic Act. Arsenical fly-papers were alleged to have been used as the source of arsenic in the Maybrick case in 1889 and in the Seddon case of 1912. Veterinary remedies containing arsenic are medicinal, and are included in Part I. of the Schedule. The organic compounds of arsenic, such as salvarsan, are in Part I.

Antimony.

Tartar emetic was formerly given under the name of "quietness powder" to cure habits of drunkenness, and several fatal cases are recorded after the use of the drug in this way. Antimony-wine is included in Part II. of the Poisons Schedule. Butyr of antimony is not a scheduled poison.

Mercury Compounds.

The mercury compounds included in the Poisons Schedule of the Poisons and Pharmacy Act are:

Mercuric chloride,
Mercuric oxide,
Mercurous oxide,
Mercuric iodide,
Mercuric sulphocyanide, and
Ammoniated mercury.

Of these mercuric chloride is in Part I., the others in Part II. Photographic intensifying-solution containing mercuric chloride is in Part II. as a "preparation or admixture" of a Part I. poison. Sal alembroth as a preparation of mercuric chloride is in Part II. Black wash and yellow wash, preparations containing oxides of mercury, are in Part II. Red-precipitate and white-precipitate ointments as admixtures of a scheduled poison are in Part II. Pharaoh's serpents, which consist of mercuric sulphocyanide, are a poison in Part II. Blue ointment, grey powder, and calomel are not scheduled poisons.

Cyanides.

The potassium-cyanide entry carries with it all poisonous cyanides and their preparations. Insect-killing bottles containing potassium cyanide are thus in Part I. of the Poisons Schedule. Ferrocyanides and ferricyanides are not cyanides, and hence are not scheduled poisons. Ammonium sulphocyanide is for the same reason not a scheduled poison in Great Britain. Cyanide gauze, wool, and lint are preparations of a poisonous cyanide, and are in Part I. The prussic-acid entry is ambiguous in regard to what is meant by prussic acid. Is it the Pharmacopœia acid or true hydrocyanic acid (hydrogen cyanide)? Probably it is best to take the entry as referring to true hydrocyanic acid. Cherry-laurel water is brought into Part I. by the percentage system, but tincture and syrup of Virginian prune, perhaps, come under the *de minimis non curat lex* principle. Essential oil of almonds in Part II. is generally sold now deprived of its prussic acid.

Abortefacients.

Savin, ergot, and lead plaster are included in Part I. of the Poisons Schedule on account of their use as abortefacients. Both savin-leaves and the oil are mentioned, and anything containing them is included in Part I. Ergotinine and ergotoxine, the alkaloids of ergot, are brought in under the "poisonous vegetable alkaloid" entry. The ergot entry includes preparations of other ergots than that of rye. The lead-plaster entry brings in emp. saponis, emp. resinæ, and emp. hydrargyri as Part II. poisons. Sugar of lead is not, however, a scheduled poison. Cantharides was at one time much administered with a view of exciting the sexual feelings, and to prevent this use of the drug it was included in the Poisons Schedule. The entry "cantharides, tincture and all vesicating liquid preparations or admixtures of" in Part II. of the Poisons Schedule is ambiguous. It may mean that liquid preparations that are not vesicating are outside the Schedule, or that all preparations containing cantharides are scheduled poisons. The latter is the official view, and hence hair-washes containing cantharides or cantharidin should be treated as Part II. poisons. The proof that the poison is there will, however, be a difficulty in any prosecution under this entry.

Hypnotics.

Chloral hydrate, veronal, and sulphonal were scheduled because of their popularity as hypnotics. The veronal group is included in Part I. of the Poisons Schedule, having been transferred from Part II. in January 1918. The entry includes "poisonous urethanes," but urethane, which is given in doses up to 75 grains, cannot reasonably be called "poisonous." On the other hand, hedonal (methylpropyl carbinol urethane) and euphorine (phenyl urethane) are probably included.

Carbolic Acid.

The position in regard to carbolic acid is somewhat confusing. The curious position is brought out in the entry in Part II. that a substance is or is not a scheduled poison according to the use to which it is put. It should be noted that the entry refers to "carbolic acid and liquid preparations of carbolic acid and its homologues," which, if containing more than 3 per cent., are scheduled unless the preparations are for use in agriculture or horticulture, and are packed and labelled in a particular manner, when they may be sold by other persons than registered chemists. Weaker liquid preparations of carbolic acid when sold under a title in which the word "carbolic" is used are poisonous substances according to Section 5 of the Poisons and Pharmacy Act, and if bottled and labelled in the particular manner laid down by the regulations, may be sold by anyone. Creosote is brought into the Schedule as a homologue of carbolic acid, and the word is held to include the phenoloid bodies contained in Izal, Lysol, and Jeyes' Fluid. Solid preparations of carbolic acid are not scheduled poisons, nor are carbolates or sulphocarbolates included in the Schedule.

Trade Report.

42 Cannon Street, E.C. 4, June 27, 3 p.m.

WHILE no tangible improvement in business can be reported, there has been a slight revival in the demand for a few products, but not sufficiently large enough to bring about any important changes in values. It has to be noted that permits to import from the U.S.A. have been granted a little more freely, and appreciable quantities of certain products urgently needed will, it is hoped, shortly come forward, but the difficulty is to find eargo-space when the permit is granted. As previously intimated, the U.S. parcel-post ceases at the end of the month, and as articles like hydroquinone, saccharin, phenacetin, phenolphthalein, etc., were freely sent by parcel-post, this cessation of transit may operate adversely against supplies, as importers will have to find steamer-space. The few changes in value include an easier feeling in phenacetin and phenolphthalein. Chloral hydrate is rather dearer. Methyl salicylate has arrived in quantity. Saccharin buyers are insatiable, but they can only be partly satisfied. Cocaine is firmer. Other changes include an advance in canary-seed and a further sharp rise in pepper and ginger. Coriander-seed has been in good demand; cassia lignea and pimento are firmer, while Zanzibar cloves are easier. Honey has been selling more freely at again higher rates. Gum acacia, lithopone, farina, and turpentine are all more or less in buyers' favour.

Higher	Firmer	Easier	Lower
Albumen, egg	Antimony (Ch. cr.)	Cloves	Arsenic
Canary-seed	Cassia lignea	Farina	Ethyl (salicylate)
Chloral hydrate	Cocaine	Gum acacia	Turpentine
Ginger	Honey	Lithopone	
Peppers	Pimento	Phenacetin	
Tin oxide		Phenol-phthalein	

The Drug Auction will be held next Thursday, July 4.

Cablegram.

NEW YORK, June 20.—Business is dull. Cartagena ipecacuanha has advanced to $3.15 per lb. Menthol is steady at $3.30. Belladonna-root is lower at $2.25, and peppermint oil in tins is steady at $2.95 per lb.

AGAR-AGAR is steady at 3*s.* 6*d.* for No. 1 Kobe strip on spot and at 3*s.* c.i.f. for July-September shipment.

ALBUMEN.—Prime Chinese *egg* is dearer at 4*s.* 9*d.* on spot and afloat at 4*s.* 9*d.* c.i.f.

AMIDOPYRIN.—A fair spot stock is available at 57*s.* 6*d.* on the spot.

ANISE.—A retail trade is doing at 77*s.* 6*d.* per cwt. for fair Russian, being steady.

ANISE OIL (STAR) is steady at 4*s.* 6*d.* on the spot for "Red Ship" and 4*s.* 2*d.* c.i.f. to arrive.

ANTIMONY.—There has been more inquiry for Chinese crude, of which a moderate quantity has been secured at the higher rate of 46*l.* on the spot. The metal is becoming scarce in the absence of fresh imports, while no licences have been issued for shipment since the prohibition was enforced. Sellers are now asking 47*l.*, and it seems probable that prices will advance shortly further. Importers hint that unless the embargo is relaxed by the authorities here in regard to fresh shipments supplies will have to find a freer market abroad, while advices from China state that mining operations have already been cut down in some directions because of the prohibition here and the disappointing prices, as well as the high c.i.f. costs. Attempts are still made to import Chinese white oxide of antimony, for which no licence is required, but business is virtually impossible owing to the freightage difficulties. The current quotation is about 55*l.* c.i.f. for shipment. A few small lots of regulus have been picked up at 78*l.* on the spot.

ARSENIC.—There is as yet no sign of improvement, in fact the position is again weaker, chiefly owing to the poor demand, and parcels of Cornish have been secured at a little below 100*l.* net for June-July delivery. This seems about the nearest price at the moment for fair-sized lots, say 5 to 10 tons, although rather fancy figures are still mentioned for smaller lots. Fluctuations are not unlikely, but the tendency in the long run is downwards, unless the demand assumes more tangible dimensions.

ASPIRIN remains in a depressed condition, and the position must be discouraging to makers. The loss of the former export demand is felt, as the home trade is not sufficient to absorb the increasing production. A leading American maker has advanced his price to $3.50 to $3.60 per lb. from a level of $2.50 to $2.60.

BENZOATES.—Another English make of benzoic acid has appeared on the market, and as orders have been booked rather freely at slightly below the current price the output is sold for some time to come; 18*s.* 6*d.* to 19*s.* is still quoted. *Benzoate of soda* is about 20*s.*, but it is to be regretted that makers do not devote attention to increasing their output, as it is wanted more than acid.

BROMIDES.—It is anticipated that the promised supplies will be shortly available. Meanwhile the demand is very quiet, and dealers who have stocks are offering potash and soda a little more freely; ammon. is still scarce.

CALAMUS-ROOT.—Natural Russian is offered at 120*s.* per cwt. on the spot.

CAMPHOR (REFINED) remains firm, with Japanese 2½-lb. slabs offering at 4*s.* 6*d.* on spot. The exports from Japan during March amounted to 201,154 kin, valued at 397,524 yen. During the three months ended March 31 the exports were as follows:

	1916	1917	1918
Kin	1,434,472	871,741	508,419
Yen	1,303,526	1,342,065	955,990

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India ...	367,139	128,305	144,783
Asiatic Russia ...	36,765	—	—
Great Britain ...	393,839	29,030	141,862
France	156,336	—	—
United States ...	422,511	689,179	137,296
Australia	15,789	331	26,963
Other countries ...	42,093	24,896	57,515
	1,434,472	871,741	508,419

CANARY-SEED continues to advance in price; the quotations now are 240*s.* to 250*s.* per quarter for common to good Morocco.

CARAWAY-SEED.—Further business is reported at 225*s.* per cwt. for Mediterranean and Morocco qualities.

CASSIA LIGNEA is firmer, sellers of whole selected quoting 95*s.* and broken at 85*s.* on spot.

CASSIA OIL is steady at 7*s.* on spot for 80 to 85 per cent. c.a., and to arrive 6*s.* 9*d.* c.i.f. is quoted.

CELERY-SEED.—French can be had at from 160*s.* to 165*s.* per cwt. on the spot.

CHAMOMILES have been in better demand in spite of the high prices asked, which are from 350*s.* to 360*s.* per cwt. for French and Belgium on the spot.

CHLORAL HYDRATE is getting very scarce, but there is still a seller at 13*s.* net in bond to come forward, and for spot 13*s.* 6*d.* net in bond would have to be paid.

CINCHONA.—The exports from Java from January to December 1916 compared with 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands	7,664,000	1,376,000
Great Britain	—	900,000
U.S.A.	—	768,000
Singapore	—	50,000
Japan	34,000	24,000
	7,698,000	3,118,000

CITRIC ACID is steady at 3*s.* 5*d.* per lb. on spot.

CLOVES are quiet, with small sales of fair Zanzibar on spot at 2*s.* 4*d.*

COCA-LEAVES.—The exports from Java from January to December 1916 and 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands	104,068	17,043
Great Britain	8,218	4,105
U.S.A.	273,145	151,601
Japan	1,197	6,423
	386,628	179,172

COCAINE is a little firmer again, owing to the disappointment in regard to obtaining supplies of hydrochloride. The Cocaine Proclamation regarding imports has been amended to include ecgonine, which it is evident was being imported and converted into cocaine.

COPPER SULPHATE has aroused somewhat from its recent lethargic condition by the prospect of export permits being granted, as the authorities have intimated to makers that applications for licences would be considered for Allied ports. This chiefly explains the revival of inquiries which set in last week on the part of merchants and dealers for autumn deliveries, and some orders having been placed

the tone has firmed up to about 66*l*. basis f.o.b. Liverpool. How far permits will be granted depends apparently on the surplus that may accumulate after meeting agricultural home needs, for which a little more business has been put through lately at the fixed price of 52*l*. per ton for June-August delivery.

COD-LIVER OIL.—Our Bergen correspondent writes on June 17 that last week's Finmarken fishing gave only poor results owing to stormy weather. The official report gives the following details up to June 15:

	1916	1917	1918
Catch of cod (millions)	49.2	26.	23.5
Yield of c.l.o. (hect.)	57,000	34,800	19,800
Liver for "raw" oils (hect.) ...	5,100	5,400	16,100

In a week or two the season (including that of Finmarken) will be ended, and the final output of all the cod-fisheries can then be given.

CORIANDER-SEED.—A good business has been done during the past week in new crop for shipment at 40*s*. down to 37*s*. 6*d*. per cwt. c.i.f. terms.

COUMARIN is scarce at 170*s*. per lb. net on spot.

CUMIN-SEED is very slow of sale, the quotations being nominally unchanged at 55*s*. to 62*s*. 6*d*. per cwt. for ordinary to good sifted Morocco.

ETHYL SALICYLATE is rather lower at 8*s*. 6*d*. per lb. net on spot.

EUCALYPTUS OIL.—The demand, which has been flat for a lengthy period, should now improve in view of the prevalence of influenza; 70 to 75 per cent., B.P., can be had at 2*s*. 5½*d*. to 2*s*. 6*d*., and 65 per cent. at 2*s*. 5*d*. per lb. on the spot.

FARINA is dull and easier on spot, No. 1 Japanese offering at 71*s*. 6*d*. and July-September shipment at 71*s*. c.i.f.

FENUGREEK-SEED.—Sales have been made in new crop Morocco at 37*s*. 6*d*. per cwt. c.i.f. terms. On the spot 45*s*. is asked.

FORMALDEHYDE.—It is anticipated that before long the Government will be in a position to allocate in rotation the quantities which are required by the drug trade; they have not yet come forward.

GENTIAN.—An arrival of 613 bags Spanish is notified in Liverpool; spot price is still 95*s*. per cwt.

GINGER is again higher, sales including washed rough Cochin at from 110*s*. to 111*s*. and Japanese at 102*s*. 6*d*.

GUM ACACIA is easier, with sellers of Sudan sorts at 82*s*. 6*d*. per cwt. on the spot, and afloat at 77*s*. 6*d*. c.i.f.

HEXAMINE.—A number of fair-sized parcels are coming forward from America, which will prevent any substantial rise in prices; from 10*s*. 6*d*. to 11*s*. is quoted.

HONEY again shows a rising tendency, and a fair amount of business is being done at an advance of, say, 5*s*. per cwt. on last week's prices, the value of Cuban being from 175*s*. to 187*s*. 6*d*. per cwt. for liquid to good pale set.

HYDROQUINONE is unchanged at from 17*s*. 6*d*. to 18*s*. on the spot.

IODINE.—Resublimed Japanese is offered at 15*s*. 9*d*. per lb. net.

LEMON OIL is in fair jobbing demand at from 4*s*. to 4*s*. 2*d*. per lb. on the spot.

LIQUORICE-JUICE.—Spot sales of Italian sticks have been made at from 335*s*. to 340*s*. per ton.

LIQUORICE-ROOT is very scarce, a limited quantity of Italian natural offering at 140*s*. and cut at 160*s*.

LITHIA CARBONATE is in seasonable demand, and as the price is still very moderate compared with pre-war rates buyers need not hesitate in filling their wants.

LITHOPONE is easier, American white offering at 65*l*. per ton on the spot.

LYCOPODIUM has sellers at 6*s*. per lb. on spot.

MENTHOL is steady at 14*s*. for Kobayashi and at 13*s*. 10½*d*. for Suzuki on spot.

METHYL SALICYLATE.—We note the arrival of 46 cases in Liverpool, which should have the effect of easing the present high price of 10*s*. 6*d*. per lb.

MILK-SUGAR.—As a result of the shipments coming forward so slowly fabulous prices have been asked and paid for this essential commodity.

MINT OIL.—Japanese dementholised is steady at 4*s*. for Kobayashi and 3*s*. 10½*d*. for Suzuki on the spot.

MORPHINE.—Home trade requirements are still being supplied by makers at 13*s*. 6*d*. per oz. net for hydrochloride. Licences for export are being granted very sparingly even to America, and makers are reluctant to name a price.

NUX VOMICA is firm and scarce at from 70*s*. to 72*s*. 6*d*. for Cochin on the spot.

OPIUM.—A small business is passing at the unchanged rate of 60*s*. per lb. for Persian 10-per-cent. on the spot.

OTTO OF ROSE.—Arrivals of new French crop are expected shortly; from 75*s*. to 76*s*. per oz. is quoted, and for pre-war Bulgarian 85*s*. per English oz. is asked for a good brand.

PALLADIUM.—Some time ago we pointed out that whereas the price of this important substitute for platinum in America commanded a very considerable premium over the price of platinum, precisely the reverse was the case here. This, however, has been changed drastically, as the price of palladium has lately undergone successive advances, from 290*s*. up to 500*s*. per oz., while the official quotation of platinum still remains at 400*s*. per oz. The great difficulty of securing the latter is evidently forcing the demand upon the substitute, the supply of which is exceedingly small. These rare metals, including iridium and osmiridium, were recently all taken under control by the American Government.

PEPPER continues to advance, sales including black Singapore on spot at up to 1*s*. 9½*d*.; Tellicherry is 1*s*. 10½ and Alleppy 1*s*. 10*d*. on spot. *White* Muntok is 1*d*. dearer at 3*s*. 3*d*., and Singapore is 3*s*. 2½*d*. on spot.

PHENACETIN.—Price-cutting still continues fierce between American and Swiss makers, with the result that the price is down to 23*s*. per lb. The position may improve again owing to the falling-off in arrivals, as licences to import have been refused.

PHENAZONE.—Demand is rather better, and the price is unchanged at 45*s*. on spot.

PHENOLPHTHALEIN is rather easier, offering at from 47*s*. 6*d*. to 45*s*. The demand, which had fallen off recently, has improved again.

PIMENTO is firmer, with sales at 5¼*d*. on spot.

POTASH IODIDE.—Japanese on the spot (London) is offered at 13*s*. 10*d*. net, which is also the English makers' price for 1-cwt. lots. The exports from Japan during February amounted to 20,141 kin, valued at 122,295 yen. During the two months ended February 28 the exports were:

	1916	1917	1918
Kin	28,447	17,180	27,681
Yen	211,595	110,099	167,109

Of *crude iodine* the exports in February were 8,785 kin, valued at 51,923 yen, and during the two months ended February they were:

	1916	1917	1918
Kin	150	2,511	10,913
Yen	722	21,838	64,080

POTASH PERMANGANATE.—There are signs of increased home production, but it may not be available to the trade; 13*s*. 6*d*. is about the spot price.

POTASH SULPHOGUAIACOLATE can be had at from 90*s*. to 92*s*. 6*d*. per lb. on spot.

QUICKSILVER continues very firm, imports being restricted, only 425 bottles being disclosed by last month's official returns, which makes the total for the five months 4,487 bottles, compared with the low figures of 1,027 bottles for the same period last year. Supplies remain under close official control, while very little surplus appears to be available after meeting Government requirements. Quotations vary between about 21*l*. and 23*l*. per bottle, according to the extent and the character of the orders.

SACCHARIN.—There is still a very keen demand for anything on spot or afloat, and sales have been made at prices varying from 390*s*. to 420*s*. per lb., duty paid, for 550 pure ex warehouse, and sales to arrive have been made at about 260*s*. per lb., not duty paid. Considerable trouble is being experienced by importers owing to the confusion which prevails in the various Government Departments. We were informed last week that facilities were to be given for the importation during the next two months, and that importers should make application for fresh licences to the Import Restrictions Department, but we have not yet heard that any licences have been granted, although many requests have been made. It would appear that these applications are placed before the Royal Commission on Sugar Supply by the Import Restrictions Department, and if they are approved of then the latter body will grant the licence. The New York Commercial (June 3) states that interest in saccharin was heightened by the appearance of still stronger spot quotations following the development of a better export inquiry. There has been an advance of about $1.00 a lb. within the past few days, and the soluble variety is now bringing as much as the insoluble. Dealers quote the former at $21.50 and the latter at $21.75. One of the large producers has not shipped his usual May quota, and cannot promise when shipments will be made.

SALICYLIC ACID.—There has been more demand for export, but large quantities would require to be absorbed in order to relieve the congestion; prices are unchanged.

SULPHONAL.—Several holders are asking 90*s*. per lb. on spot. Methyl sulphonal is 82*s*. 6*d*.

TARAXACUM.—English is offered at 120*s*. per cwt. on the spot.

TARTAR EMETIC is offered at 3*s*. 6*d*. per lb. for crystals in casks on the spot.

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TARTARIC ACID is steady at from 3*s*. 5½*d*. to 3*s*. 6*d*. per lb. on spot.

THYMOL of Indian make can be had at 47*s*. 6*d*. on spot.

TIN OXIDE has lately shown a sharp advance to about 425*l*. per ton in casks on the spot.

TURPENTINE.—American is 2*s*. lower at 116*s*. per cwt. to holders of permits.

VERATRIA.—Pure alkaloid is offered at 11*s*. per oz.

WAX, VEGETABLE.—Sales of Japanese for June-August shipment have been made at 121*s*. 6*d*. per cwt. c.i.f., closing sellers at 120*s*. c.i.f.

ZINC-PRODUCTS.—Quotations here have become chiefly nominal through the pronounced dearth of supplies. No reliable price is obtainable for high-grade zinc oxide, values probably ranging well upwards of 100*l*., while foreign low grade might be had at various rates from about 95*l*. down to 75*l*. per ton delivered ex docks. Australian zinc-dust, high grade, would cost at least 108*l*. c.i.f., but there is now practically nothing afloat, and future shipments are very uncertain.

English Herb-crops.

Potter & Clarke, Ltd., sends us the following report on their Carshalton herb-crops: "There is a prospect of good all-round crops; the plants are healthy and free from blight. Marshmallow, southernwood, tansy, hyssop, red sage, and balm are abundant. The chamomile-crop is very promising, and with an average amount of sunshine should do well. Rue, peppermint, scullcap, and pennyroyal all show a thin crop and below the average. The demand for English savin having fallen off, the shrubs will be dug up at the end of the year. A series of interesting experiments have been made during the last few years to determine the possibility of growing stramonium on a commercial scale. Unfortunately, the cold weather at the end of last summer prevented the ripening of the seed, and the crop this year is a failure. A belated crop of arrach, sown two years ago, has appeared, and should yield well. Culinary herbs, like thyme, mint, sage, and savory, show very satisfactory crops."

Burmese Citronella Oil.

At the Rangoon sittings of the Industrial Commission held in January, Maung Shwe Thwin, advocate and citronella-oil distiller, gave some interesting evidence concerning this industry, in the course of which he said that he had been exporting citronella oil to England for the past three years. He had about 200 acres of citronella and rubber under cultivation, and had exported 200 drums of the former in eight months. He employed ordinary coolies to do the work. It was his brother who started the business on a small scale about five years ago. He sent samples of the oil to London, and they having taken well, he extended his operations. The area had now extended to from 400 to 500 acres in the Amherst district. He sent the oil to England to his agents through Thomas Cook & Son. Inquiries had been received from America and various parts of Europe. The business was more lucrative than his profession.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool during the period named below. Particulars of imports of oils, oilseeds, nuts, fats, gums, honey, etc., are not now published.

To London

(June 8 to 14)

Bronze powder, 20 cs.
Canary-seed, 172 bgs.
Chemicals, etc., unrated, 8 cs. 492 bgs. 64 pkgs.
Aspirin, 10 cs.
Benzaldehyde, 12 cs.
Cream of tartar, 16 cs.
Potash permanganate, 15 cs.
Soda, unrated, 10 cwt.
Thorium nitrate, 6,310*l*.
Drugs, etc., unrated 434*l*.
Belladonna - leaves, 9 bls.
Camphor, 100 cs.
Cascara sagrada, 222 bgs.
Dillseed, 240 bgs.
Henbane, 34 bls.
Nux vomica, 193 bgs.
Senna, 555 bls.
Witch-hazel leaves, 40 bls.
Fullers' earth, 5 tons
Dyestuffs, dyeing and tanning materials, unrated, 18 cks.; myrabolans, 12,337 bgs.; tanners' bark, 332 tons; wattle ext., 215 bgs.
Perfumery, unrated (mostly raw materials), 678*l*.
Plumbago, 18,326 bgs. 247 brls. 176 cks.
Starches (cwt.): dextrin, 100; farina, 4,656; potato, 20,869; rice 21
Talc, 1,004*l*.
Wax, bees', 1 brl. 1 bag
Wax, paraffin (cwt.) 1,501; scale, 1,041
Zinc oxide, 10 cs.

To Liverpool

(June 10 to 15)

Chemical products, etc.
Acetanilide, 7 drms. 11 brls.
Arsenic powder, 50 bxs.
Calcium tartrate, 10 bgs.
Cobalt oxide, 18 brls. 12 kgs.
Cream of tartar, 100 brls. 51 cks.
Lithia carb., 30 cs.
Milk sugar, 245 brls.
Phenolphthalein, 1 kg.
Potash carbonate, 616 cs.
Saltpetre, 2,020 bgs.
Soda glycerophosph., 6 cs.
Tartaric acid, 40 brls.
Drugs, etc.:
Quillaia bark, 256 bdls.
Dyes, dyestuffs, tanning materials, etc.:
Chestnut tanning ext., 1,730 cks.; cutch, 350 bxs.; indigo, 21 chts., 20 cs.; logwood ext., 615 cks.; myrabolans, 4,000 pockets
Starches, 262 bags
Talc, 1,875 bgs.
Wax, bees', 26 ballots 6 cs. 86 pkgs.
Wax, paraffin, 1,872 bgs.

A Traveller's Notebook.

By "Viator."

WAR CONDITIONS.

IT is a remarkable tribute to the energy and efficiency of our wholesale drug-houses that in spite of the war, with its effect on the supply of raw materials, the average chemist is still able to meet practically all the ordinary demands of his clients. Chemists should be thankful that retail pharmacy, apart from the general regulations affecting its practice, is not seriously affected by war conditions and the army of new Government officials. The present satisfactory condition of the drug-trade is doubtless responsible for so much interest being taken in the business side of pharmacy, as shown by the columns of THE CHEMIST AND DRUGGIST. Reports of local Associations and letters to the Editor reveal the increasing attention paid by pharmacists to the art of salesmanship and business problems generally. This awakening is welcomed by all who have the welfare of pharmacy at heart, and especially by those whose business takes them from town to town, and who see the chemist in one city prosperous and successful and another in a similar district regretting that he had ever seen pestle and mortar. The travelling man of to-day needs to add psychology to his stock-in-trade. He, as the looker-on, sees most of the game.

ART OF SALESMANSHIP.

The new interpretation of the art of salesmanship is an illustration of the old order giving place to new. A successful business is one that sells goods that won't come back to customers who will. Advertisement is "salesmanship in print," and the science of salesmanship consists in making one's customers happy and satisfied. Successful salesmanship is not an accomplishment acquired without a little thought and care, no matter how attractive your pharmacy may be. Have you ever noticed how cleverly some of the assistants in the big departmental stores close a sale? Instead of the hackneyed "Anything else?" or "Will that be all to-day?" your attention is tactfully diverted to some other article suggested by the item purchased. It may be a display of ties if you have purchased collars, or a pair of gloves if you have gone in for handkerchiefs. These assistants are taught to think of double sales every time; they study the selling points of the stock they handle; they make specific suggestions recommending the article introduced. The purchasing public always appreciate being shown something new or being reminded of an item they may have forgotten.

SELL HIGHER-GRADE GOODS.

One great revelation of the war to many chemists is the ready sale for higher-priced goods. There is more money being spent by women in the great industrial and manufacturing towns than has ever been known. In one city of my acquaintance women munition-workers frequently ask for "something better" than the ordinary threepenny shampoo-powder or the shilling face-cream. They will have the best, and are prepared to pay big prices. I believe that if chemists will only talk quality in selling goods people will invariably have the best, no matter whether they want toilet-preparations or a remedy for some liver-trouble.

WOMEN ASSISTANTS.

Over three years ago I advised a well-known pharmacist to be prepared for scarcity of male assistants by engaging several women assistants and taking some trouble in teaching them his methods of business and the general requirements of his pharmacy. He told me the other day that he now has five women on his staff, and they are a complete success. Even if you have one or two qualified assistants they are necessarily expensive, and surely ought to be more advantageously employed than in selling many of the articles asked for in a chemist's shop. The big stores long ago found that women are more successful on the sundries and toilet-goods counter. They are quick in picking up the selling idea, and are worthy of all the training and encouragement you can give them. Pay them well; don't be impatient at any little mistakes they may make—and they won't be wanting to leave you for another five shillings a week round the corner.

MARKET WANTED FOR CINCHONA.—A British merchant in Bolivia is in a position to secure a minimum of 3,000 quintals a year of cinchona-bark from the Cochabamba district of Bolivia. He would be glad, therefore, to get into communication with importers in the United Kingdom. Until recently the principal exporters of bark from this district were two Germans.—*Board of Trade Journal*, June 20.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

A West Ham Memorial.

SIR,—One of the last schemes in which our President, the late Mr. Kirkpatrick, was greatly interested was the building of a wing at West Ham Hospital to commemorate our fallen soldiers. The amount aimed at by the hospital authorities is 60,000*l.*, and Mr. Kirkpatrick was anxious that chemists should subscribe 200*l.* towards the object mentioned. At a meeting of the West Ham Association on June 20 promises amounting to 80*l.* were given by members present, but it was felt that an opportunity should be given to friends of Mr. Kirkpatrick who live at a distance to subscribe to the fund, in order that a sum sufficient to represent a permanent memorial to our late President, as well as to our fallen heroes, may be attained. Mr. W. Potter, High Street, Plaistow, Chairman of the Chemists' Committee, will be glad to receive contributions towards the scheme. Yours faithfully,

ALEX. CATTO, Vice-President.
West Ham Association of Pharmacists.

The Future of Pharmacy.

SIR,—By this time the Secretary of every Chemists' Association in England, Scotland, and Wales will have received a copy of the circular letter dealing with the proceedings of the Council, which in my election address I undertook to circulate. It occurs to me that members of the Pharmaceutical Society who are at the moment unable to attend Association meetings might like to have a copy of the circular sent direct. In that case, if they will just send me a postcard to that effect, I shall be only too glad to forward every month a copy of the circular. May I take this opportunity to point out that if the Council does not meet in August a circular will not be sent out that month?

Yours faithfully,
HUGO WOLFF.

Examination Failures.

SIR,—Perusal of the letter from "Unqualified" in the *C. & D.*, June 8, p. 51, compels me to make the following comment, having been "through the mill" on both sides of the Irish Sea, and being therefore in a position to judge on their merits the two examinations. "Unqualified" is quite justified in stating that the Minor might easily be made a more suitable test for the qualification of pharmacists. There is far too much attention paid to the scientific and theoretical, and too little to the practical knowledge which must necessarily be acquired in order to carry on successfully the business of a retail dispensing chemist. To obtain the Irish Pharmaceutical Licence certificate candidates are expected to be thoroughly familiar with and readily to recognise materia-medica specimens and official preparations, and to know all the ingredients which enter into the latter, and be able to state accurately the B.P. doses, giving percentage-content of alkaloids and active principles present in the most frequently used herbs, roots, barks, etc., and preparations of same. Surely it would be advisable to give the clerical—that is, the commercial—side of pharmacy greater attention, and the dispensing work and oral questions on practical pharmacy (compounding, etc.) might well be gone through at one and the same time, and include questions as to the most suitable antidotes for commonly used "poisons," in cases of accident, etc. With regard to the questions set in chemistry at the Minor, they are, to my mind, too advanced; candidates possessing a good general elementary knowledge of inorganic chemistry should not be obliged to be exceptionally well up in organic. With the present system it is quite possible to conceive a successful candidate starting a career as a pharmacy proprietor, whose wealth of knowledge might be limited to the empirical formulæ of "di-ethyl-sulphon-di-methyl-methane" and a few such-like complex synthetic compounds, *plus* a hazy recollection of innumerable chemical processes. I venture to say the interests of the profession (?) of pharmacy, and of the public in general, would be much benefited if the examination and curriculum were modified in some measure on the lines suggested, and then possibly the future might not see the names of desirable and evidently smart men, like your correspondent "Unqualified," excluded from the Register.—Yours truly,

JUSTITIA. (18/6.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Storing Vegetable Powders.

"In reply to 'Alpha' (90/39) (*C. & D.*, June 22, p. 51), my experience with vegetable powders is that they must be stored in some way so that the moisture they contain is not confined. A tin just sufficiently covered to exclude dust, but not tightly closed, answers as well as anything. Even then some of them will get musty and mouldy in time—p. ergotæ, p. iridis, p. pip. cayenne, to name one or two of the chief sinners."—*F. N. Walker* (112/38).

A Curious Prescription.

W. M. T. (44/6), referring to a recent letter in the *C. & D.* regarding the troubles which chemists encounter in their daily round, writes that he received recently the following prescription, which had been copied by another chemist whose stamp it bore:

Antipyrin	2.0
Phenazonum	0.9

For three cachets. Mitte xij.

The customer stated that he had paid 2*s.* for dispensing this. "W. M. T." asked to see the original prescription, and later on the customer brought it, when it was found that the second ingredient was phenacetin. "W. M. T." concludes that dispensing it at 2*s.* is a not very profitable matter at the present time.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

P. W. A. (103/6).—There is nothing to prevent a retailer from selling at the same time tablets made from controlled and uncontrolled saccharin.

Rat (93/68).—We cannot say whether the limited company is infringing the Poisons and Pharmacy Act in the way it carries on business. You do not give us your reasons for asking the question.

Sugar (107/37).—There are no restrictions on the sale of saccharin tablets in this country unless the tablets are made from British-made saccharin, when they are only supplied on certain conditions.

M. A. C. (103/40).—SALE OF PERFUME.—There are no Excise restrictions on the sale of eau de Cologne or lavender-water, nor do licensed persons possess any advantage as regards the sale of spirituous perfumes.

G. H. P. (95/34).—VERIFYING WEIGHTS AND MEASURES.—The Weights and Measures Act, 1878 (Sec. 44), does not contemplate that the owners of weights and measures shall take them to a place fixed by the local authority in cases where the weights and measures have been already verified.

J. S. (106/35) holds a shop on a twenty-one years' lease which is determinable at the end of the first seven or fourteen years of the term. What length of notice must he give his landlord if he wishes to terminate the lease at the end of the seventh or fourteenth year? [It is probable that the lease itself provides what period of notice must be given; but, if it does not, we advise "J. S." to give six calendar months' notice.]

Bewildered (94/55) has for years been in the habit of buying certain goods from a particular manufacturer. Is the manufacturer bound to continue to supply the goods to "Bewildered"? [In our opinion no contract to supply the goods can be implied from the previous dealings between the parties alone, and, unless the manufacturer has expressly agreed to supply the goods, he can discontinue the supply without incurring any liability.]

Ichei (107/30).—LIABILITY TO MEDICINE STAMP-DUTY.—The words "nerve restoring" imply, we think, that the nerves are not in normal health, and that the tonic mixture is a remedy for that condition. On this account we advise that the use of the words be avoided. The title "Nerve-destroyer," followed by directions for placing the substance in the hollow tooth, is clearly an oblique reference to a cure for toothache. You might submit the label (in duplicate) for the opinion of the Board of Customs and Excise, Customs House, Upper Thames Street, London, E.C.

Chemist (89/55).—Director as Employed Person.—We cannot trace the reply to which you refer, but the reply that a director of a limited company was not an "employed person" under the National Insurance Act was probably in reference to a person who was a director and nothing more. If, however, a director is employed by the company he becomes an employed person, and if he is paid less than 130*l.* a year both he and the company must pay contributions.

Bay (105/51).—Spirit for Hair-wash.—Special application must be made for permission to use industrial spirit in hair-washes, and permission will not be given unless the formula contains ingredients which render the liquid unsuited for use as a beverage. As an example, ext. quassiæ ʒj. and saponin ʒij. have been sanctioned as denaturants for 5 gals. of lotion. You will find further particulars in the *C. & D.*, April 29, 1911 (p. 155), or *The Chemist and Druggist Diary*, 1917, p. 217.

W. H. R. (104/9).—(1) Saccharin.—The method of distribution of saccharin has been explained so fully in the *C. & D.* that we cannot spare time and space to repeat information which can be obtained by reading up the subject from back numbers. (2) The local officer of Customs and Excise is the person to whom applications should be made for repayment of spirit-duty under the Budget arrangement. We do not think, however, you will be able to obtain reduced duty for spirit supplied to medical men and scientific persons.

J. C. T. (90/10), referring to the article on the repayment of spirit-duty (*C. & D.*, May 25, p. 44), asks for an exact explanation of the last paragraph. He says he was not aware that there was any rebate allowed on spirits three years old and over. [The article had reference to the state of the law at the time. It is true that prior to April 22 no rebate was allowed on spirits three years old and upwards, but by the Budget resolution of that date an additional duty (of 15*s.* 3*d.* per gal.) was imposed on spirits irrespective of age. That duty has since been levied under the resolution in the usual way. At the same time the Finance Bill, by Section 4 (2), provides that if any person proves to the satisfaction of the Board of Customs and Excise that this new duty was paid by him on spirits delivered to him and used solely in the preparation of any article recognised by the Board as being used for medical or scientific purposes, and also that the spirits so used were spirits to which the restrictions contained in the Immature Spirits Act do not apply (and they do not apply to spirits three years old or over), the additional duty of 15*s.* 3*d.* per gal. shall be repaid him. The Board are authorised to make regulations to provide for this repayment, and it is to these regulations made in anticipation of the Finance Bill, 1918, becoming law that the paragraph in the article refers.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. F. (91/60).—Book on Analysis.—Newth's "Smaller Chemical Analysis" (Longmans, Green & Co., 2*s.*) will suit you as a first book on chemical analysis.

A. W. B. S. (94/59).—Straw-hat Cleaner.—The following are two formulas other than the cream-of-tartar recipe we gave you recently:

I.		II.	
Potassium binoxalate	6 oz.	Sodium bisulphite ...	10 oz.
Potassium bitartrate	4 oz.	Tartaric acid ...	2 oz.
Mix. Pack in envelopes containing ½ oz.		Borax	1 oz.
		Mix. Directions: Take as much of the powder as may be needed, moisten with water, and rub into the straw by means of a stiff brush.	

W. L. (104/72).—Wood's "Tablet Making" (Lippincott, 7*s.* 6*d.*) tells how to make all kinds of tablets. In the case of saccharin tablets the saccharin and sodium bicarbonate are granulated separately so as to prevent them reacting before they are used in the tea.

Nemo (111/39).—Solid Brilliantine.—There is no other oil that gives the same jelly effect as castor oil (*C. & D.*, June 8, p. 52). Other oils may be used, but the effect will be different.

Cornwall (90/45).—Value of Stock for Income-tax Purposes.—The goods owing at end of the year should be taken into account if the amount owing for goods fluctuates to any great extent. If the fluctuation is only a few pounds either way it can be omitted. Mr. Shacklady, of Liverpool, showed this in the *C. & D.*, March 23, 1907, and "Jay Mack" also does it in his ledger at the page on "Year's Trading Account."

R. D. W. (111/46).—Drug-farming.—We published in *The Chemist and Druggist Diary*, 1908, a treatise on the cultivation of medicinal plants, but since the outbreak of war, when attention was directed to the partial dependence of this country on enemy countries for medicinal plants, several books have been published on the subject. Among these are Teetgen's "Profitable Herb-growing and Collecting" (Office of "Country Life," 3*s.* 6*d.*) and Holmes' "Cultivation and Drying of Medicinal Plants" (E. M. Holmes, Ph.C., Ruthven, Sevenoaks, 1*s.*). Blackie & Son, Ltd., announce a book on "Medicinal Herbs," by Dr. David Ellis. Mrs. Grieve, Chalfont St. Peter, Bucks, who specialises in supplying nursery plants, has also published many pamphlets dealing with medicinal plants. A good deal has been printed on the subject in the *C. & D.* In regard to the prospects which drug-farming offers, we should say that it is only those who go into the matter seriously that can hope to make it pay, and it should be remembered that there are several old-established growers already in possession of the drug-markets.

J. B. (94/6).—Sack-stamping Ink.—A suitable composition can be made by diluting printers' ink with resin spirit, or you can grind bone-black with a basis made of the following ingredients, the figures in parentheses indicating the approximate proportions: Rosin (40), shellac (32), rosin spirit (4), wax (4), tallow (3½), soap (1½). The consistency can be adjusted according to the manner of using; the proportions given are suitable in cases where a stencil is employed.

J. R. M. M. (Bombay) (110/16).—Oil of Portugal is the variety of neroli oil which is distilled from sweet-orange flowers. There is no work devoted to the manufacture of eau de Cologne. Complete information is given, however, in "Pharmaceutical Formulas."

F. N. (106/67).—We have no formula for "cheap embrocation or white oils" made without oil or turpentine.

S. H. (109/27).—Book on Hernia.—Murray's "Hernia: Its Cause and Treatment" (Churchill, 6*s.*).

D. F. (109/77).—Utilisation of Waste Leather.—It seems to be necessary to disintegrate the waste leather (by passing it through a disintegrator or devil), to pulp (in a beating-mill), or to powder the leather (after treating to a high temperature) before it can be utilised in making leather substitutes. A good deal of useful information is given in the specifications of expired patents 11,880 of 1885 and 14,235 of 1888, which you can purchase for 6*d.* each at the Patent Office Sales Department, Quality Court, London, W.C. This would be a useful preliminary to any further work you wish to carry out, but so far as we have gone into the matter it appears necessary to begin with a uniform mass of leather.

T. B. (160/52).—Hair-restorer.—It is the lead sulphide which causes the darkening in grey hair upon which lotions containing sulphur and a lead salt are employed. Sulphur alone would not have the effect desired.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1868.

At a Pharmaceutical Conversazione.

Writing of soda-water at once transfers our thoughts to the top of the building, where a cute but very courteous Yankee, Mr. Van Winkle, of the firm of Dows, Clark, and Van Winkle, was liberally dispensing to hot and thirsty chemists his ice-cream soda-water beverage, which we hope to see them before long dispensing to their customers as freely as, but somewhat more profitably than, Mr. Van Winkle did that evening. For hours did he stand the siege by the side of his marble fountain, dealing out with nimble fingers the raspberry, lemon, and vanilla, or whatever was asked for, like a conjuror with his bottle. And when, at half-past ten, the fountain was exhausted, we are bound to say that Mr. Winkle was not. . . . Descending the stairs, we came upon Professor Bentley's collection of living plants, including specimens of tea, coffee, cocoa, sugar, pepper, and others more directly connected with our business. Perhaps no science excites so much enthusiasm and, at the same time, so much aversion as botany; and these different states of feeling were plainly observable on the faces of the passers-by that evening.

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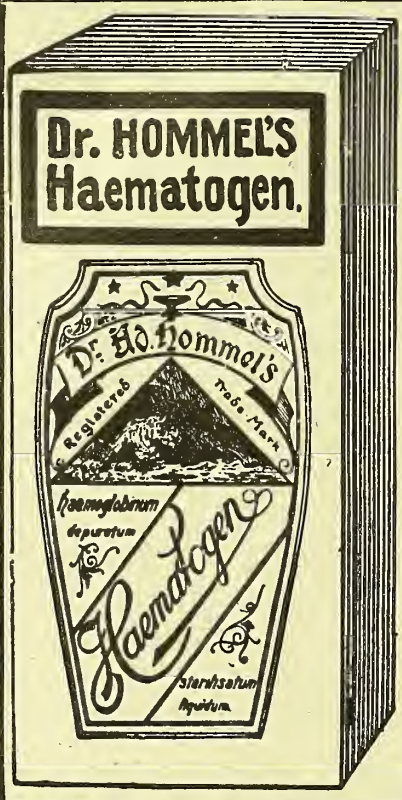

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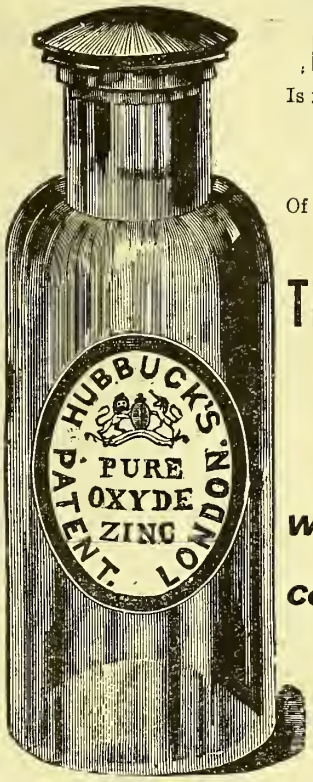

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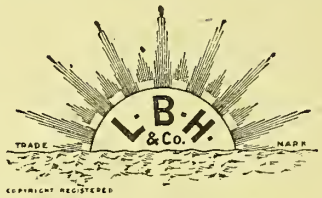

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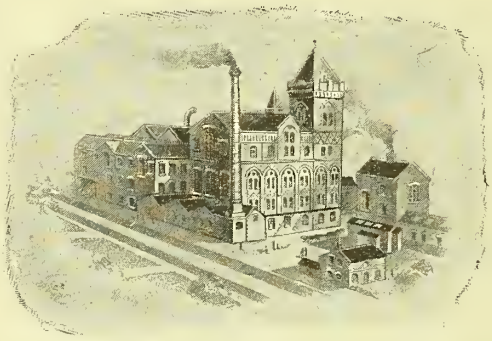

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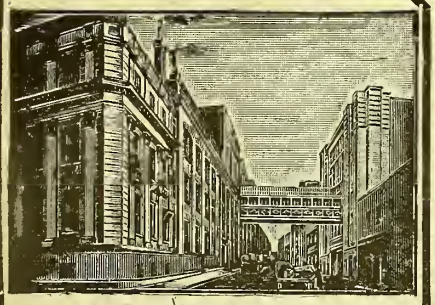

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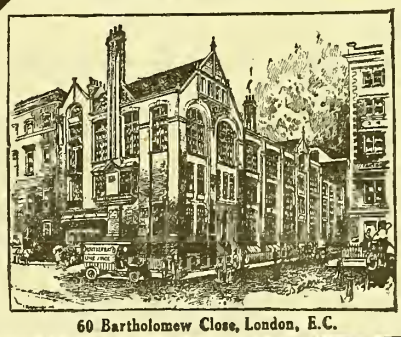

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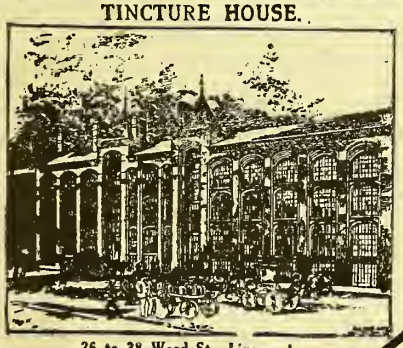

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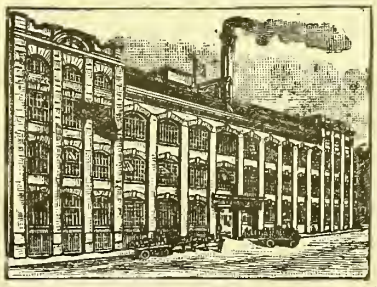

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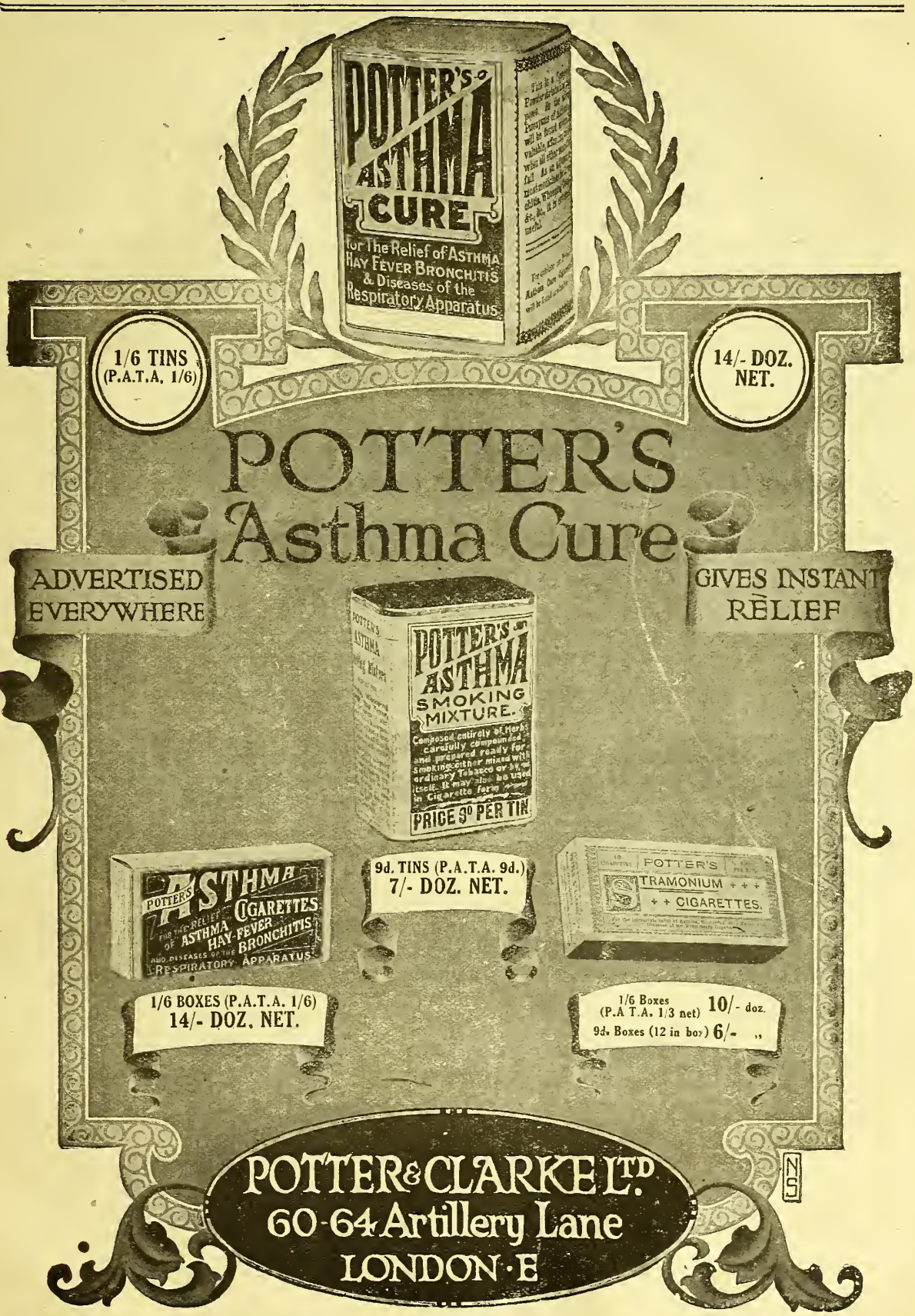
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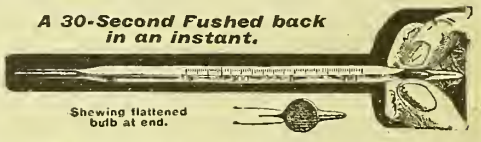

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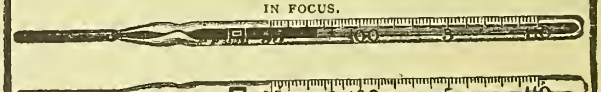

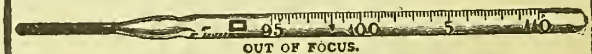

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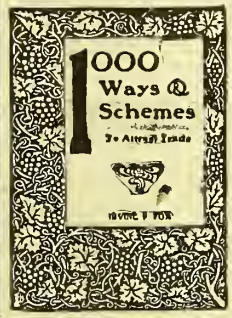

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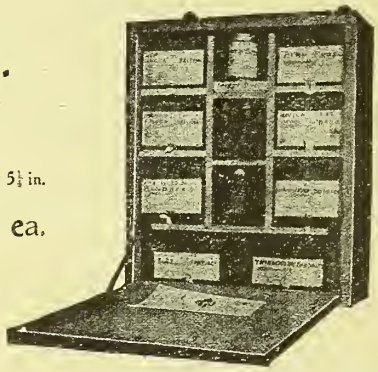

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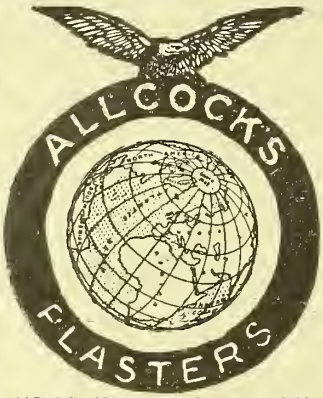

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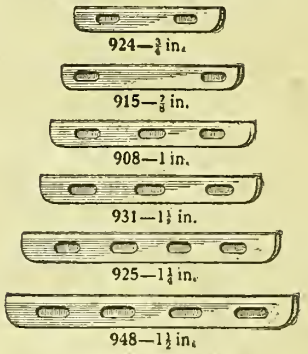

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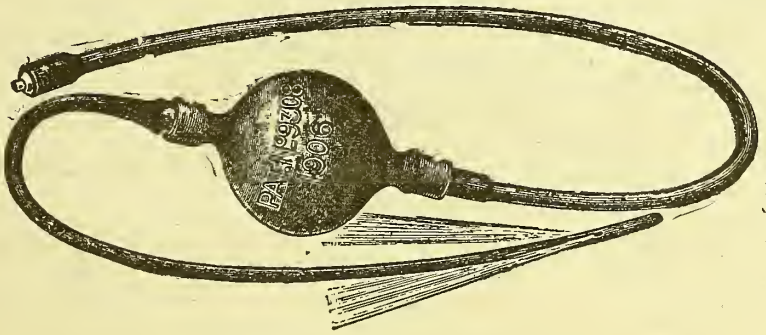

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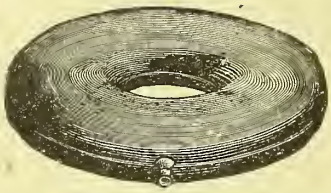

Fig. 1194.

BRITISH MAKE.

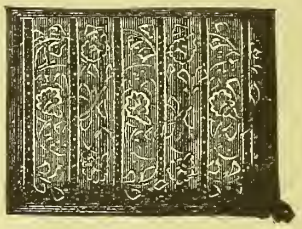

Fig. 1354.

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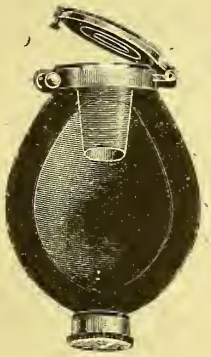

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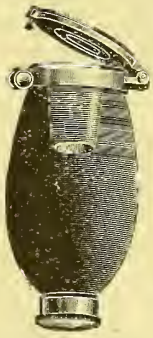

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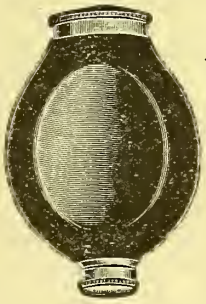

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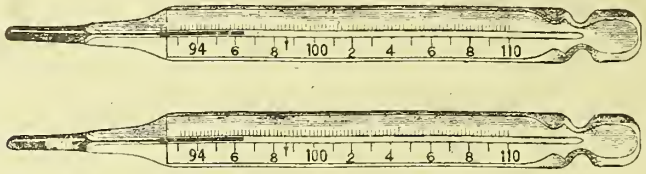

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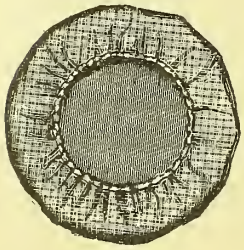

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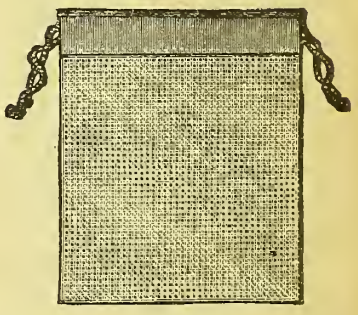

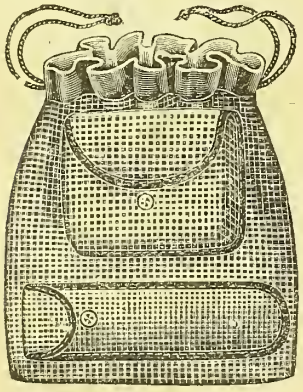

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EDINBURGH (SOUTH SIDE).—Old-established high-class Business; Retail and Dispensing; returns about £3,000; vendor retiring, and wishes to sell shop as well as business. Apply A. Ross, S.S.C., 108 George Street, Edinburgh.

LANCASHIRE; manufacturing town; sound Retail; doing £1,700 a year, including N.H.I., £350; net profit £420; well stocked and easily worked; good house attached, with every convenience and low rent; price £650. "Sodium," c/o Ayrton, Saunders & Co., Hanover Street, Liverpool.

OXFORDSHIRE.—Unopposed old-established Business; single-handed; turnover £940; small country town, healthy; no heavy trade; suit man over 51 or discharged soldier; rent £36; good house and garden; long lease; goodwill £100; stock and fixtures at valuation; about £495 inclusive; owner retiring; no N.H.I. Apply 184/29, Office of this Paper.

BUSINESS for Sale in a Colliery district, County of Durham; death cause of sale; successfully carried on by the late owner for many years. Full particulars on application to Rex, c/o John Ismay & Sons, Manufacturing Wholesale Chemists, Newcastle-on-Tyne.

DRUG Store for Sale; South Birmingham; profitable and progressive trade; good prospects for qualified or unqualified person; good reason for selling; goodwill, etc., moderate; stock at valuation. Write 187/58, Office of this Paper.

FOR immediate Sale, Drug Store and Optical Business in coast town, Lincolnshire; good prospects for qualified or unqualified person; no immediate opposition; moderate stock, etc., at valuation. Write 188/39, Office of this Paper.

WALLASEY.—Genuine, very profitable, old-established Business; now doing about £30 per week; capable of great extension; death vacancy; price about £500. Apply Kennedy, 2 Park Road, Liverpool.

BY ORDER OF TRUSTEE.

OLD-ESTABLISHED Business; returns £1,300; valuation terms for early disposal; good lease. Trustee, 20 Walpole Gardens, Chiswick, W. No agents.

BUSINESSES WANTED.

A SOUND Business wanted, showing £400 net, with scope for increase in energetic hands; healthy neighbourhood essential; Home Counties or near preferred. Write "M.P.S." (186/26), Office of this Paper.

DRUG STORE.—Small or suitable Premises required by Chemist; under female management not objected to if with reasonable house accommodation; London district or the Home Counties preferred. Also small Chemist business; cheap; with or without stock and fixtures; suitable for Dentistry and Optics. Apply 187/26, Office of this Paper.

WANTED, Business, or management with view to purchase; good-class Dispensing, in residential district; turnover £800 to £1,000; full particulars of living accommodation, etc. Apply 188/22, Office of this Paper.

FOR SALE.

SHOP Fittings.—Complete Fitting of an elaborately fitted West-End Chemist Shop, comprising three wall cabinets, fitted with drawers, cupboards, plate-glass, shelves, poison cabinet, mahogany counter, cashier's desk, etc.; accept £100 for the lot. Jelks, 275 Holloway Road, N.

10,000 Tubular Lever-top Tins, 3¼" long, ¾" diameter inside measurements; suitable for powders or tablets. Apply 185/31, Office of this Paper.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—SOUTH OF ENGLAND.—High-class Business, showing steady increase; returns last year over £3,500; good profits; splendid house and Pharmacy; every modern convenience; charming locality; owner retiring; price £2,200; banker's reference required; personally recommend.

2.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation, under £400.

3.—YORKS (Death Vacancy).—Old-established country Retail, pleasantly situated; present returns, under female, £10 to £12 a week, can easily be doubled; good house and premises; price for quick sale £150, or offer; less than valuation.

4.—LONDON, S.W.—First-class Dispensing and Retail Business; same hands many years, retiring; returns nearly £1,350; net profit £352, after paying Assistant; handsome shop, in finest position; can do £2,000 a year; price £800; personally inspected and strongly recommended.

5.—LONDON, N.—Good-class suburban Retail and Dispensing Business; returning £1,234 last year; good profits; fine corner shop, well fitted and stocked; good house and garden; owner retiring; price only £450.

6.—LONDON (Essex Suburb).—Very profitable cash Retail and Prescribing, with own specialities; returns £15 to £16 weekly, increasing; net profit over £300; low rent; fully stocked; price £475; part can remain; trial allowed.

7.—WEST LONDON.—Sound middle-class cash Retail; returns £26 weekly, plus N.H.I.; good profits; no immediate opposition; low rent; good house; price £350; half could remain if desired.

8.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £1,000; could arrange entry with £600 cash.

STOCKTAKINGS.

We are now booking dates for August, and appointments should be made early to avoid dates clashing. Terms sent on application. 45 years' practical experience.

AGENCIES.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

SITUATIONS OPEN.

RETAIL.

BEDFORD.—Lady Assistant or unqualified Junior wanted at once for Light Retail business, Counter, Window-dressing, and Stock; short hours; good salary (outdoors). State age, experience, and salary required, and give reference, Anthony & Son, Chemists, High Street, Bedford.

BIRMINGHAM.—Experienced Assistant wanted, lady or gentleman, able to take charge; qualification not necessary; Light Retail and Dispensing; outdoors. Also Dispensing Junior. State experience, salary, references, and when disengaged, in first letter, Bramleys, 87 Holyhead Road, Handsworth, Birmingham.

BIRMINGHAM.—Lady Assistant for Dispensing and Counter; clean light trade. Apply, stating age, salary required, and previous experience, to Izon, Chemist, 86 High Street, Aston, Birmingham.

BLACKPOOL.—Wanted, an active, qualified Manager; ineligible. State age, experience, and salary required to R. Needham, Chemist, Stalybridge.

BLACKPOOL.—Smart up-to-date unqualified Assistant in a quick light cash business for Counter; ineligible and temperate; photo if possible; state commencing salary, which is progressive; permanency; hours 8.30 to 8, Saturday 9, half-holiday. Galloway, 100 Church Street.

CASTLEFORD.—Wanted, unqualified Assistant; ineligible or discharged; outdoors; must be capable and have good references. State salary and full particulars to T. C. Binks, Chemist, Carlton Street, Castleford.

DEVON.—Unqualified Chemist wanted (at once); country town; good house provided free. Full particulars, with references first letter, 186/36, Office of this Paper.

EASTBOURNE.—Wanted, lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GLOUCESTER.—Wanted, experienced lady Assistant; good Dispenser and general knowledge; easy hours; outdoors; two kept; good-class Dispensing and Light Retail. Salary, photo, etc., Ward & Woodman.

LEAMINGTON.—Four lady Assistants wanted to replace four men to be taken for military service. Apply in the first instance to C. Davis, Secretary, Warwickshire Pharmaceutical Committee, 90 Warwick Street, Leamington.

LONDON.—An Assistant (lady or gentleman) in a Family Retail and Dispensing business; two kept; Hall; one accustomed to keeping and putting up stock would be entertained. Apply Alban Atkin, 243 West End Lane, West Hampstead.

LONDON, CITY (EAST).—Wanted, an experienced Assistant; good references, and free from military service; state salary required. Apply 185/33, Office of this Paper.

LONDON, N.E.—Wanted, unqualified Assistant for small branch; no poisons; would suit an elderly man, lady, or disabled soldier; could live over premises in about three months if desired. State wages wanted to Grant's Drug Stores, 33 Chatsworth Road, Clapton Park, E. 5.

LONDON, N.W.—Qualified Assistant wanted for Dispensing business; man or woman; furnished house; suit invalid discharged soldier, or lady with parent who would reside with her. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.E.—Wanted, an Assistant (lady or gentleman) for Dispensing and assist at Counter; outdoors. Apply, with full particulars of experience and salary required, to J. W. Rumsey & Son, 535 Lordship Lane, S.E. 22.

LONDON, S.W.—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R." (185/261), Office of this Paper.

LONDON, S.W. 2.—Marshall & Co., 93 Streatham Hill, have vacancy for an Assistant, either sex, outdoors, to assist in Dispensing, at Counter, and with Stock; hours 9 to 7, Saturday 8, Wednesday 1. Please give full particulars of experience, when disengaged, and salary required.

LONDON, W.—Wanted, lady or gentleman Assistant for Dispensing and assist at Counter; outdoors; no National Insurance Dispensing. Apply, with full particulars of experience and salary required, Faulkner & Co., 173 Ladbroke Grove.

LONDON, W.—To Assistants making a change, required, an energetic up-to-date Senior for permanency; outdoors; good Counterman essential; qualification unnecessary provided otherwise competent. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, W.—Wanted, Assistant (ineligible or lady) for Dispensing and Counter duties; must be a quick and accurate Dispenser, and have had previous experience in good business; hours 9 to 6, Saturdays 1 o'clock. Apply, with particulars of experience and salary required, to Hospitals and General Contracts Co., Ltd., 19-35 Mortimer Street, W.

LONDON, W.—Manager, qualified or unqualified, locum, for week after August 10th; middle-class Retail and Light Dispensing. State particulars of references, salary, and when at liberty, arranging interview, Goodall, 66 Lower Richmond Road, Putney.

MANCHESTER.—Wanted, an elderly qualified man; permanency; good wages; fair amount of N.H.I.; part-time if desired. Apply 187/6, Office of this Paper.

MANCHESTER.—Vacancy for unqualified man or woman to take charge of Drug Store in medium-class locality. Particulars of experience and salary required to "Managing Assistant" (189/24), Office of this Paper.

MANCHESTER.—Unqualified man wanted for Warehouse and Counter work. Apply, with full details for immediate reply, to 188/11, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, lady Assistant; unqualified; accustomed to Counter work and to assist with Dispensing. State age, experience, salary required, etc., 180/15, Office of this Paper.

NEWPORT, MON.—Assistants wanted, ineligible or discharged, permanency, trustworthy and capable, with knowledge of Photography; good salary to competent man. Full particulars first by letter, Badgett, Chemist.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STREATHAM, S.W.—Lady Assistant; light work; short hours; no Sunday duty; progressive salary according to experience; with or without Hall certificate. Please give full particulars, photo, references, etc., or apply personally, "P.," H. T. Escritt, 284 Streatham High Road, S.W. 16.

WALLASEY.—At once, capable Manager; outdoors; easy hours; with view succession preferred. Salary required and particulars to Kennedy, 2 Park Road, Liverpool.

WINDSOR.—Locum wanted for three or four weeks, the end of July or early August, for Cash Retail and Dispensing business. Apply, stating age and salary required (indoor or outdoor), with references, to R. W. Houfe, Pharmaceutical Chemist, Windsor.

WORCESTER.—Assistant required; well up in Dispensing. State age, references, and salary required, to Anderson & Virgo, Chemists, Worcester.

ASSISTANT wanted, either sex, to take place of a man called up for military service. Apply, stating full particulars, to W. Smith, 31 St. Botolph's Street, Colchester.

ASSISTANCE wanted four evenings a week; Dispensing and Stock. Central Pharmacy, 811 Fulham Road, Fulham, S.W. 6.

ASSISTANT wanted, lady or ineligible, for Counter and little Dispensing; qualification not essential; no Sunday duty. Full particulars in first letter to 188/1, Office of this Paper.

CAPABLE Assistant; must have Minor qualification and be ineligible for Army; plenty of work, but easy hours. Write, stating age and salary required (outdoors), references essential, 180/6, Office of this Paper.

DISPENSER (lady), Hall certificated, wanted (temporary); salary £100 a year and war bonus extra. Apply, stating age and particulars, to Medical Superintendent, Herts County Asylum, St. Albans.

DISPENSER (woman), with Pharmaceutical qualifications, required during war-time at the Ewell (County of London) War Hospital, Epsom; £3 3s. a week, no emoluments; part-time on clerical duties. Apply in writing, with particulars of qualifications and references, to Officer Commanding at Hospital.

DISPENSER wanted for the County and City of Perth Royal Infirmary; able to develop X-Ray Photographic Plates. Applications with testimonials, stating qualifications and experience and salary expected, to be lodged with R. Martin Bates, Secretary, 1 Rose Terrace, Perth, not later than 3rd July.

DOCTOR wants lady Dispenser, living within easy reach of Bow; 10-12 a.m. and 5.30-8.30 p.m.; week days; 30s. per week. Write 186/27, Office of this Paper.

IMMEDIATELY, for five or six weeks, for holiday relief work; qualified preferred. State terms, etc., F. H. Newton, Catherine Street, Salisbury.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier or lady Assistant. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

JUNIOR lady Assistant wanted (at once) for Counter, Stock, and some Dispensing; must be obliging and capable. Apply, with full particulars, references, and photo if convenient, to F. Wilde, 100 Brompton Road, S.W. 3.

LADY (qualified) or elderly gentleman wanted to take sole charge of small branch in country town near London; single-handed; references must bear strictest investigation; light business, easy hours, and house unfurnished attached to shop if necessary; would suit lady just qualified. Please state salary, experience, and references to 186/28, Office of this Paper.

LADY Assistant or discharged Soldier (part-time not objected to); Minor, Counter and Dispensing; good-class business; South Coast town. Apply, with particulars and references, to Longman, Littlehampton.

LADY Assistant; competent Counter hand and Dispenser; permanency; progressive salary; Midlands. "L. A. M." (185/262), Office of this Paper.

LADY Assistant; London; experienced Dispenser and capable at the Counter; permanent position. State age, salary required, and when at liberty, "L. A. L." (785/26), Office of this Paper.

LADY Assistant; Yorks, West Riding; comfortable permanency for capable young lady who has had some experience in Dispensing and Counter work. "L. A. Y." (185/260), Office of this Paper.

LADY Assistant, Minor qualification, chiefly for Dispensing, short hours, Saturday half-day. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

LADY Dispenser required (at once) by a firm of Surgeons within 20 miles of London. State experience and salary required, 187/250, Office of this Paper.

LADY, young, between 18 and 30, as Packer and to assist generally (no Counter) in busy cash business; good salary offered to an experienced person. Apply in first instance, by letter only, giving full particulars as to experience, etc., to Guests, Chemists, Tooting, London, S.W. 17.

LADY (qualified) required; a thorough business person for a busy good working-class trade; N.H.I. Dispensing, Counter, and general trade; Apprentice allowed; good comfortable, permanent berth and good salary. Fullest particulars in confidence, "North Staff" (189/21), Office of this Paper.

LOCUM.—Wanted, Locum to take charge; preferably first two weeks in August. Write, stating terms, to 186/32, Office of this Paper.

LOCUM.—Wanted, for part of August and September, a reliable man; good references; not necessarily qualified. Apply Godfrey C. Wood, Pontypool.

LOCUM (qualified) for four or six weeks from about middle of July. Particulars to Mitchell, Chemist, Gretna.

LOCUM Dispenser, qualified, wanted for Doctor's Surgery (Midlands) from July 17th to August 1st. Apply 182/29, Office of this Paper.

LOCUM or permanent, qualified, to manage Branch; good prospects to capable man (London). Apply 188/3, Office of this Paper.

MANAGER for small Branch (qualified) about July 15th. Usual particulars to Waller & Riley, Ltd., Chemists, Bradshawgate, Bolton.

MANAGER or Senior (at once), married, to live over premises, ineligible, for good-class Retail Dispensing and Photographic. Apply, with usual particulars, T. E. Savage, Broadway, Crouch End, N.

MANAGER, qualified, wanted at once for a good-class country branch (Witham, Essex); easy hours; good house attached. Apply, giving age, medical category experience, references, and wages required to T. Bellamy, Pharmaceutical Chemist, Chelmsford.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (185/263), Office of this Paper.

QUALIFIED Assistant wanted; Sheffield. Apply 112/54, Office of this Paper.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (185/264), Office of this Paper.

QUALIFIED Manager for good-class business in London, S.W.; must be active and reliable; pleasant locality, and excellent house accommodation; view to succession entertained if desired, but not essential. Apply, with usual particulars, to F. J. Sproston, 118 Rodenhurst Road, Clapham Park, London, S.W. 4.

QUALIFIED Assistant wanted for Agricultural business; ineligible or discharged soldier. Burrows, Gainsborough.

RELIABLE Locum wanted for fortnight, from July 9th. Vacancy also for Assistant; ineligible; unqualified. State terms to A. R. Powell, 125 Upwell Street, Sheffield.

RELIABLE Assistant wanted; good Counterman essential; ineligible; references must bear strictest investigation; permanency and good salary to right man; qualified or unqualified. Apply 181/22, Office of this Paper.

REQUIRED, Dispenser, either sex, in large West-End house; hours of work 8.45-6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED, lady Assistant for Counter, with good knowledge of Drugs and Toilet articles; good salary and commission on sales. Apply personally or by letter to Manager, Drug Department, 105 Victoria Street, S.W. 1.

REQUIRED, lady Assistant; accustomed to weighing and wrapping powders; hours of work approximately 8.45-6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience, age, and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED, Assistant; young lady or ineligible, or part-time; N.H.I., Counter, Stock. Watson, 100 Mitcham Road, Tooting, S.W.

TEMPORARY Assistant required for six weeks; qualification not necessary; good-class business; outdoors. Please apply to Phillips, Chemist, Wolverhampton.

TEMPORARY Assistant for one or two months; lady or ineligible; reliable Dispenser, and accustomed to quick Retail; state age, experience, salary required (outdoors); hours 9 a.m. to 8 p.m., half-day holiday, no Sunday duty. J. J. Phillips, Ryecroft, Ashton-under-Lyne.

WANTED, Locum Tenens from July 27th to August 31st inclusive; easy work; short hours. Gould, 35 Moorgate Street, London, E.C. 2.

WANTED, in a City Dispensing business, unqualified lady as Junior Assistant; short hours, no Sunday duty. Apply, stating salary required, to Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C. 4.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, young lady as Junior, to assist at the Counter, pack stock, and able to dress windows in a high-class business near Hampstead. Apply, giving full particulars, to "X. Y. Z." (189/3), Office of this Paper.

WANTED at once (outdoors, 9 a.m. till 7 p.m.), a young lady or gentleman to assist in Chemist's shop; one with some experience in a Chemist's shop preferred; to pack Stock and serve at Retail Counter. Apply, stating salary required, references, age, experience, etc., to Barnard & Son, Chemist, 309 Hackney Road, N. 16.

WANTED, competent and reliable Assistant, lady or gentleman, for good-class Retail business; liberal salary. Applications, giving full particulars as to age, qualifications, experience, and wages required, with copies of recent testimonials, to C. Bayley, Pharmacist, Uppingham, Rutland.

WANTED, Assistant, speaking French, and preferably also Italian; good references. G. Fortuna, Ltd., 41 Frith Street, Soho, W.

WHOLESALE.

ASSISTANT Analyst lady required for Analytical department of Manufacturing Chemists. Apply, giving full particulars of qualifications, experience, salary required, etc., Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

CHEMIST required for East London Factory; good knowledge of Organic. Write, stating age, qualifications, experience, and salary expected to Box 531, Sells, Ltd., 168 Fleet Street, E.C. 4.

COUNTER hands and Checkers (male or female) required; good wages. Burgoynes, Burbidges & Co., Ltd., East Ham.

DRUGS AND SURGICAL TOOLS.—Experienced Saleswoman required (at once) for Counter; good wages and commission to suitable applicant. Apply personally, or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

EXPERIENCED Invoice Clerk (male or female) required; also Under-Warehouseman and Wet-counter Hand. State wages and experience, 187/25, Office of this Paper.

FACTORY Manager (ineligible) required by well-known Food Manufacturing Company; must be competent to take full charge of all work and labour; experience in connection with packing small packets in large firm most essential; good salary will be paid to the right man. Write, stating age, salary required, and full particulars, of experience, to Z. F. M., care Deacon's, Advertising Offices, Leadenhall Street, E.C. 3.

FITTER, Surgical, for Truss Fitting, etc. State age, experience, and wages required (London). Apply 110/51, Office of this Paper.

INVOICE Clerk wanted; knowledge of the Drug trade essential. Address, stating age, experience, and salary required, Secretary, Southall Bros. & Barclay, Ltd., Birmingham.

PHOSPHORIC ACID,
CREAM POWDER,
AND ALLIED PRODUCTS.

EXCELLENT OPENING FOR AMBITIOUS YOUNG CHEMIST, OR FOREMAN WHO CAN DO OWN TESTS.
Apply, with full particulars of experience, to Box 101/74, Office of this Paper.

MAN wanted to assist in manufacturing Laboratory. Baiss Bros. & Co., Ltd., 174/176 Grange Road, Bermondsey, S.E. 1.

MAN experienced in manufacture of Toilet Preparations, Face Creams, Pomades, Liquid Shampoo, etc.; good references essential; London; state wages, age, and experience. Reply "Reliable" (114/72), Office of this Paper.

MANAGING Assistant wanted (at once) by firm of Birmingham Wholesale Chemists; qualified preferred, but must be exempt from Army or ineligible; easy hours, no Sunday duty; permanency, with good prospects. State salary required and all particulars of buying and manufacturing experience, to 115/10, Office of this Paper.

QUALIFIED lady Assistant for a Mixed business in the County of Durham. Apply, giving full particulars as to age, experience, and salary expected, to "Rex," c/o John Ismay & Sons, Wholesale Manufacturing Chemists, Newcastle-on-Tyne.

REPRESENTATIVE required for London and suburbs; no objection to other lines; small weekly salary (£2) and good commission, progressive. Apply by letter, J. C., 99 Mayfair Avenue, Ilford, Essex.

REPRESENTATIVE, ineligible, with experience in calling on large Stores and Wholesale Druggists, etc., in London, required by large Toilet Soap and Perfumery house; another required for South Coast territory. Reply, stating full particulars and salary, to 113/54, Office of this Paper.

REQUIRED by progressive firm of Manufacturing Chemists, smart man as Manager's Assistant; must be ineligible for Army, and have experience in vacuum plant malt extract manufacture; general knowledge of manufacture of Pharmaceutical products an advantage; must be competent to take charge of work and labour; works situated in country near London. Write, stating age, salary required, and full particulars of experience, to "M. H." (115/16), Office of this Paper.

TABLETS.—Working Foreman to take full charge of department. "Menthol" (184/22), Office of this Paper.

TOILET Preparations, Brilliantines, Creams, Shampoos, etc.; practical man required, with knowledge of manufacturing these articles; energetic and capable. Write, stating experience and salary required, to 114/52, Office of this Paper.

WANTED, Girl for wrapping and labelling high-class Toilet preparations in S.W. district. Write, stating age and experience, to "X. Y. Z." (113/40), Office of this Paper.

WANTED, Working Manager for old-established Chemist's Sundriesman and Distributors, South London; must be prepared to buy stock, canvass customers, keep the books, generally superintend the business; ineligible for military service, or discharged Army man not objected. State salary required and full particulars, 185/30, Office of this Paper.

WANTED for provincial Wholesale house, qualified man to take charge of Packed Goods department; must be ineligible for Army or discharged; state fully experience, salary required, age, and enclose copies of testimonials; permanency, with good prospects to right man. Apply 169/19, Office of this Paper.

WANTED, capable Assistant, permanency, with knowledge of making Toilet preparations, Chalk Blocks, etc.; splendid progressive position for suitable man. Apply Barron, 155 and 157 Oxford Street, London.

WANTED, Forewoman, age about 30; must have experience in labelling and bottling; able to take charge of workroom; permanency. The Kraska Co., Ltd., 7 Blenheim Street, New Bond Street, W.

WET COUNTER.—First Hand wanted; a man with Retail experience entertained; permanent situation. Apply, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, 49 Berners Street, W. 1.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

SINGAPORE.—Wanted (immediately), qualified Assistant; young; single; ineligible Army; three years' engagement; monthly salary of $250, $275, and $300 ($1 equivalent to two shillings and fourpence sterling); passage paid out and home. Full particulars from Downie, 187 Gairbraid Street, Glasgow.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

AS Assistant or otherwise by competent, active, and trustworthy man over military age, with varied good-class experience and excellent references; present berth over seven years; married; unregistered; salary about 55s. "Aspirin," 58b London Road, Portsmouth.

AS Manager of light business and supervisor of Dispensing department; London and provincial experience; elderly, active, reliable; now disengaged. "M.P.S." (188/33), Office of this Paper.

DISPENSER, Extractor, disengaged 25th inst.; reliable; good references; locum or permanent. Apply 182/27, Office of this Paper.

DISPENSER; ineligible; unqualified; Doctors preferred; 25 years' experience; little Retail. State salary and hours, "B.," 3 Pembroke Road, Seven Kings, Essex.

GENTLEWOMAN desires position as Dispenser in Midlands or North; Hall qualification; Hospital experience; testimonials. "A. L.," 473 Stretford Road, Old Trafford, Manchester.

HOSPITAL Dispenser; locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

LADY Dispenser, Hall certificate, requires part-time post; South of England; Sussex preferred. Apply Allanson, 1 Church Cottages, Pyecombe, Sussex.

LADY Dispenser, Hall, 20 months with Chemist and 6 months' Hospital, speaks French, desires post; Chemist or Hospital. A. S., 117 Harvy Clough Road, Norton Woodseats, Sheffield.

LADY Dispenser requires (in September) non-resident post with Doctor; experienced; Hall qualification. Apply Stewart, Ashburne House, Chepstow.

LEEDS OR DISTRICT.—Pharmacist requires berth doing N.H.I. work. Apply 185/2, Office of this Paper.

LOCUM; 51; experienced town and country; abstainer; highest references. J. S., 14 The Pavement, York.

LOCUM; qualified; August 5th to 15th; experienced; active. Apply 188/400, Office of this Paper.

LOCUM or temporary assistance offered three or four weeks after August 7th by Ph.C., with good general experience; Dispensing, Photographic, and Dental; seaside resort preferred. James, 12 Cromwell Road, East Finchley, N. 2.

LOCUM; registered; disengaged July 22nd; exceptional experience; references; ineligible. Chemist, 16 Victoria Avenue, Glovers Road, Small Heath, Birmingham.

LOCUM; qualified; middle-aged; disengaged. Cito, 46 Baron's Court Road, W. 14.

LOCUM (qualified); seaside or country; disengaged August; good all-round business experience. J. F., 11 Perrymead Street, Fulham, London.

MANAGER; qualified; permanent or locum; London or near. "Cypripedium," 4 St. Andrews Square, Surbiton.

MANAGER, qualified, 36, married, discharged, seeks post with entire control; capable and industrious. "E. B. K." (188/37), Office of this Paper.

MANAGER, qualified, desires position; London or provinces; used to large turnover; highest references; all-round experience; 39; tall; capable of conducting any class of business. Apply "Veritas" (188/23), Office of this Paper.

MANAGER, 50, exempt, energetic, experienced, reliable, good Salesman, Prescriber, etc.; increase branch, or entertain easy succession terms; unregistered. Address "Energy" (188/8), Office of this Paper.

MANCHESTER OR STOCKPORT DISTRICT.—Lady (Hall qualification) requires evening Dispensing. 5 Gladstone Grove, Heaton Moor, Stockport.

QUALIFIED Manager; 41; Grade 3; married; abstainer; varied experience; first-rate references; permanency; outdoors; disengaged end July. Apply 187/3, Office of this Paper.

QUALIFIED, with first-class West-End experience, Retail and Dispensing, is open for part-time engagement. Mr. W., 47 Molyneux Street, Marble Arch, W.

QUALIFIED Locum; Branch; part-time. Chemist, 26 Telford Road, Westbourne Park, W.

QUALIFIED (49); Salesman and all-round experience; active; adequate pay. Apply 188/4. Office of this Paper.

UNQUALIFIED; 24; Grade III.; nine years' good-class experience; disengaged July 6. State salary offered and hours, etc., G. L., 294 Caerleon Rd., Newport.

UNQUALIFIED, 22, ineligible, seeks temporary berth, July 8th to end August. Full particulars, first letter, Davies, 2 Park Villas, Weston-super-Mare.

UNQUALIFIED Assistant, 25, Grade III., conditional exemption, seeks situation. For particulars apply 186/38, Office of this Paper.

WOMAN Pharmacist (experienced) desires post; N. or N.W. district; Hospital preferred. Apply 188/30, Office of this Paper.

YOUNG lady, with Counter experience and knowledge of Dispensing, requires engagement for month of August or part-time. M. Bates, 2 Crutched Friars, E.C. 3.

£4 PER week; thoroughly experienced as Manager; good credentials; reliable; recently graded "C." Apply 182/28, Office of this Paper.

WHOLESALE.

DUBLIN.—Traveller disengaged; birth certificate June 1867; sound experience Chemicals, Soaps, Packed Goods, etc.; first-class connection Wholesale and Retail; exceptional references. Apply 178/4, Office of this Paper.

FOUR years' Herbal experience; Wet, Dry, and Retail Counter; ineligible. "Bumble" (188/36), Office of this Paper.

PHARMACIST, qualified, exempt, married, good references, desires post, Government Supply Depôt (Drugs, etc.). "Rex" (184/25), Office of this Paper.

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(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

A SITUATION abroad about October wanted; ineligible; well experienced; Wholesale and Retail and Veterinary. Apply 185/21, Office of this Paper.

QUALIFIED Chemist (33), ineligible, home and Continental experience in management, excellent references, seeks position South of France or Italy. Address "Chemist," 3 Rue de Blainville, Paris, 5ième.

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ABOUT 50,000 Saccharin Tablets, guaranteed; 5,000 at 16*s.* 6*d.*; 10,000 at 16*s.*; registered post free; immediate delivery. Austin, Pharmacist, Saltley, Birmingham.

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SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition: we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

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FOR Sale, 21 lb. Citric Acid B.P. Crystals at 3s. 2d. per lb., carriage paid; 12 cwt. or less pure Flake Naphthalene at 5¾d. per lb.; 6 cwt. or less pure Crystal Naphthalene at 5½d. per lb., carriage paid. Apply 189/26, Office of this Paper.

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GROUND White Pepper; guaranteed pure, but flavoured by contact with disinfectant; about 84 lb.: 1s. 6d. per lb.; suitable for poultry. Critchley, Chemist, Blackburn.

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MICROSCOPE by Crouch, ⅛" objective by Stanley, 40s.; Society of Arts do. with dividing objective; Tweezers, etc., in mahogany case, 40s. "K.," 51 High Road, Stamford Hill.

MISCELLANEOUS.

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FOR Sale, ten pure Badger Shaving Brushes; one at 20s., three at 17s. 6d. each, four at 15s. 6d. each, two at 12s. 6d. each retail; best price accepted; cash in advance. Apply 184/23, Office of this Paper.

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WANTED.

FLAT Counter Case, about 4 feet long. Walker, Prees Heath Camp, Salop.

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OVAL or Quinine shape Pessary Moulds. Prices and capacity to F. Clifton, 34 Corn Market, Derby.

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REQUIRED, for medicinal use, 56 lb. or less of Glycerine. Price to Pharmacist, 239 Roundhay Road, Leeds.

APRONS wanted for Brownie Developing Tanks; new or second-hand; in good condition. Hoare, Chemist, Cromer.

FLAT Gilt Tin Boxes; 1 oz. and ½ oz. Apply 174/29, Office of this Paper.

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WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

4 OZ. Insect Powder Tins. State quantity and price, with sample. Also Tins holding from 5 oz. to 1 lb., and small Ointment Tins in any quantity. Harrison, Manufacturing Chemist, Reading.

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HONTHIN, Isatine, Euphyllin, Thionin pur., Arsentriferrin and Tablets of same, Hexal, Alypin, Hegonon, Anthrasol, Cholesterine, Rodinal for Photography, Chinosol, Spirosal, Isoform, Trypan Blue wanted. Quote "X. Y. Z." (112/34), Office of this Paper.

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We will buy out-of-date films if not too old.

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